Parts Manual

Floor Type Gas Convection Steamer



Series: SteamCraft Model 24CGP10

1333 East 179th Street
Cleveland, Ohio 44110

Phone: (216) 481-4900
1-800-338-2204
Fax: (216) 481-3782
www.clevelandrange.com

Cleveland

NOTES:

1.) SEE DRAWING 106757 FOR HOSE DETAIL.

2.) SEE INSTRUCTION DRAWING 106758 FOR LABELS AND LABEL LOCATIONS.

3.) REVISION SYMBOLS (△) ARE PLACED NEXT TO AFFECTED ITEM NO. IN BILL OF MATERIALS ONLY.

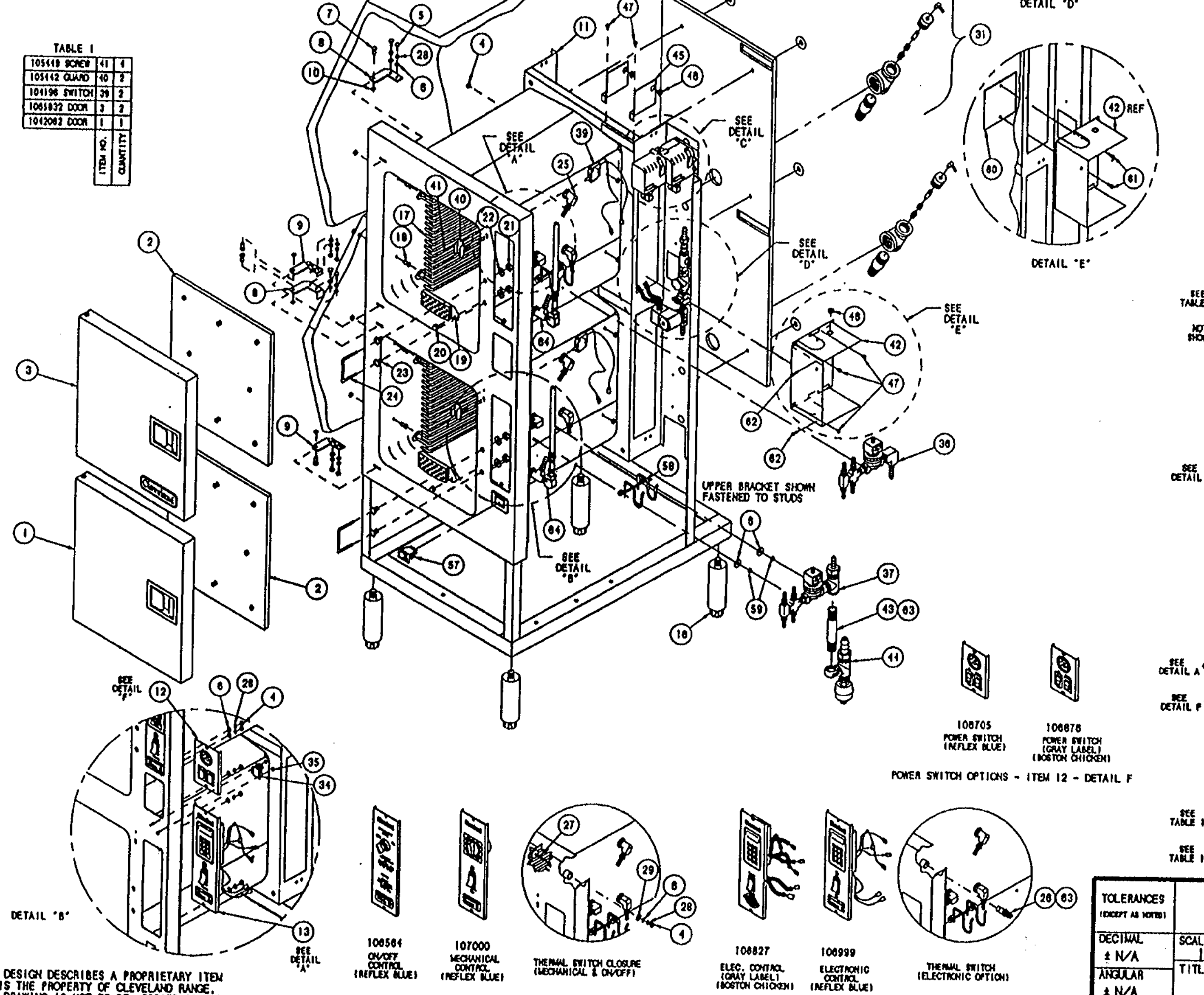
4.) FOR STEAM CUT-OFF SWITCH OPTION SEE DRAWING 106380 FOR LOCATION OF HOLES IN FACEPLATE AND DRAWING 106355 FOR PICTORIAL WIRING INFO.

5.) SEE DRAWING 107030 FOR BOSTON CHICKEN POWER TAKE-OFF PARTS LIST OPTION AND DRAWING 107031 FOR BOSTON CHICKEN POWER TAKE-OFF CUSTOMER CONNECTION KIT.

TABLE 1

	ITEM NO.	QUANTITY
105449 SCREW	41	4
105442 GUARD	40	2
104196 SWITCH	39	2
1065832 DOOR	3	2
1042062 DOOR	1	1

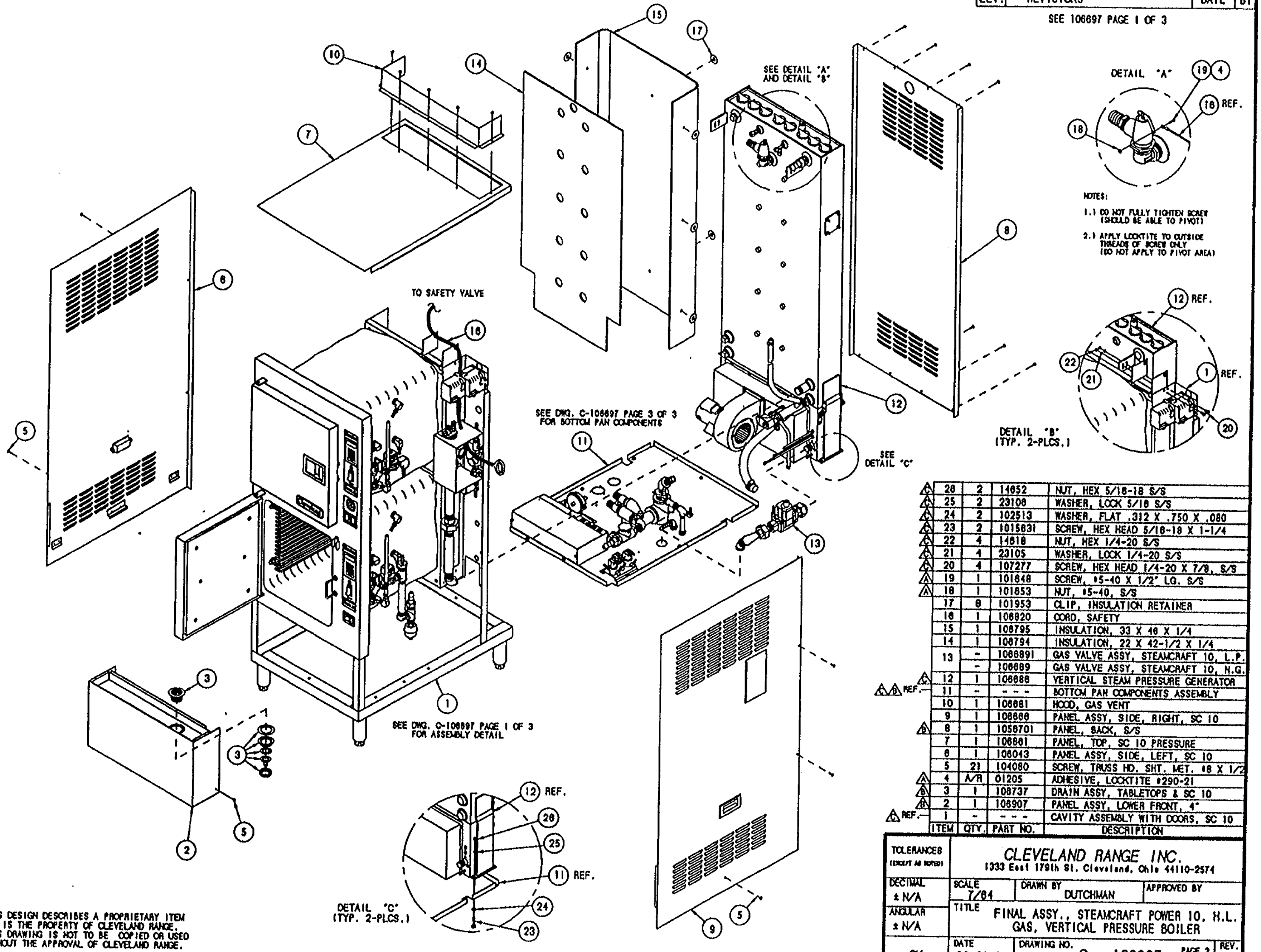
LET.	REVISIONS	DATE	BY
A	ADDED PARTS PER E.O. #2618	05-09-94	PJO
B	SEE E.O. #C-2668	07-05-94	PJO
C	SEE E.O. #C-2682	12-05-94	PJO



	ITEM	QTY.	PART NO.	DESCRIPTION
△C	64	2	107059	BREATHER/SPRAY NOZZLE ASSY. (3/8" HOSE)
	63	A/R	00934	SEALANT, RECTORSEAL
	62	2	106128	SCREW, TORX HEAD, #8
	61	2	19170	SCREW, HEX HD, 1/4-20 X .625, S/S
	60	1	106917	PLATE ASS'Y, FLOAT ENCASEMENT SUPPORT
	59	4	14072	NUT, LOCK ELASTIC
	58	2	106752	BRACKET, WIRE, VALVE SUPPORT
△C	57	1	19994	SWITCH, ROCKER, SPST (CLEAN LIGHT)
	56	2	106840	TUBING, .312 I.D. X 1" LG.
	55	2	14888	NUT, HEX JAM, 1/4-20, S/S
	54	2	23137	WASHER, LOCK INTERNAL TOOTH, 1/4"
	53	2	19218	SCREW, HEX HEAD, 1/4-20 X .375, S/S
	52	1	100084	BRACKET, MOUNTING CLAMP
	51	1	106702	WATER FEED ASSEMBLY
	50	2	19947	SWITCH, PRESSURE CONTROL
	49	1	520241	BRACKET, PRESSURE SWITCH
	48	1	52499	BRACKET, PRESSURE SWITCH RETAINER
	47	8	19148	SCREW, HEX WASHER HEAD, #10 X .500
	46	3	02818	HEYCO BUSHING 3/8 X 37/64 X 13/32 HIGH
	45	2	106726	BRACKET, SAFETY CABLE SUPPORT
	44	1	106893	STEAM OUTLET ASSEMBLY
△B	43	1	14358	NIPPLE, 3/4 X 8" LG.
	42	1	106837	SECURITY BOX, FLOAT, SIDE/BACK
		1	106728	SECURITY BOX, FLOAT, TOP
		1	106727	SECURITY BOX, FLOAT, BOTTOM
SEE TABLE 1	41	-	105449	SCREW, TRUSS HD. 6-32 X .312, S/S
	40	-	105442	GUARD, SWITCH PROTECTION
	39	-	104196	SWITCH ASSY, OPT. STEAM SHUT-OFF
NOT SHOWN	38	-	106819	WIRE HARNESS, ON/OFF, SC10
		-	106818	WIRE HARNESS, MECH. CONTROL, SC 10
		-	106817	WIRE HARNESS, ELECT. CONTROL, SC 10
	37	1	106692	STEAM INLET ASSY, LOWER COMPARTMENT
	36	1	106691	STEAM INLET ASSY, UPPER COMPARTMENT
	35	2	104223	NUT, ELASTIC LOCK, 6-32
	34	1	44168	TERMINAL BLOCK, 2-POLE
	33	8	101933	CLIP, INSULATION RETAINER
	32	1	106235	INSULATION, BODY REAR
△C	31	2	1061711	DRAIN ASSEMBLY, SC 10
	30	2	06198	FITTING, COMP., 3/8 T X 1/4 MPT, 90°
SEE DETAIL A	29	2	23138	WASHER, FLAT 3/8 X 7/8 X 1/16 THK.
	28	12	23105	WASHER, LOCK S/S 1/4 KATLINK STYLE
	27	2	104409	CLOSURE, THERMAL OPENING
	26	2	19972	SWITCH, THERMAL CLOSE
△C	25	8	1062301	STEAM NOZZLE ASSY, STEAMCRAFT
	24	2	104046	CATCH, DOOR
	23	4	14895	NUT, DOOR CATCH MOUNTING, S/S
	22	4	23149	WASHER, NYLON, TYPE 6/6
	21	4	14849	NUT, HEX 1/2-13, ZINC PLATED
	20	2	14877	NUT, ACORN
	19	2	106092	SCREEN, COMPARTMENT DRAIN, POLYPROP
	18	16	101305	PIN, RACK
	17	4	414232	RACK, PAN SLIDE, 18"
	16	4	06156	LEG, BULLET
	15	2	14865	NUT, HEX, 1/4-20 ELASTIC LOCK
	14	2	104193	INSULATION, BODY, OUT
SEE DETAIL A △B	13	-	106827	TIMER ASSY, ELECTRIC CONTROL, GRAY LABEL
		-	106564	TIMER ASSY, ON/OFF CONTROL, BLUE LABEL
		-	107000	TIMER ASSY, MECH. CONTROL, BLUE LABEL
		-	106999	TIMER ASSY, ELECTRIC CONTROL, BLUE LABEL
SEE DETAIL F △B	12	-	106876	PANEL ASSEMBLY, POWER SWITCH, GRAY LABEL
		-	106705	PANEL ASSEMBLY, POWER SWITCH, BLUE LABEL
△C	11	1	105661	CAVITY WELD ASSY, STEAMCRAFT 10
	10	4	104062	RING, SNAP, S/S
	9	2	1040431	HINGE ASSY, WELD, LOWER
	8	2	1040732	HINGE ASSY, WELD, UPPER
	7	4	104077	PIN, HINGE
△A	6	20	23118	WASHER, FLAT 1/4 ID X 5/8 OD, S/S
	5	12	19170	SCREW, HEX HD. 1/4-20 X 5/8 S/S
	4	16	14618	NUT, HEX 1/4-20 S/S
SEE TABLE 1	3	-	1065832	DOOR, OUTER ASSY. H.L. W/LOGO, W/ACTUATOR
		-	106583	DOOR, OUTER ASSY. H.L. W/LOGO
	2	2	104202	DOOR, INNER ASSY. H.L.
SEE TABLE 1	1	-	1042062	DOOR, OUTER ASSY. H.L. W/ACTUATOR
		-	104208	DOOR, OUTER ASSY. H.L.

CLEVELAND RANGE INC.
1333 East 179th St. Cleveland, Ohio 44110-2574

TOLERANCES (EXCEPT AS NOTED)	SCALE	DRAWN BY	APPROVED BY
DECIMAL ± N/A	1/8	DUTCHMAN	
ANGULAR ± N/A	TITLE	FINAL ASSY., STEAMCRAFT POWER 10, H.L. GAS, VERTICAL PRESSURE BOILER	
CK	DATE 03-01-94	DRAWING NO. C - 106697	PAGE 1 OF
			REV.



LET.	REVISIONS	DATE	BY
	SEE 106697 PAGE 1 OF 3		

NOTES:

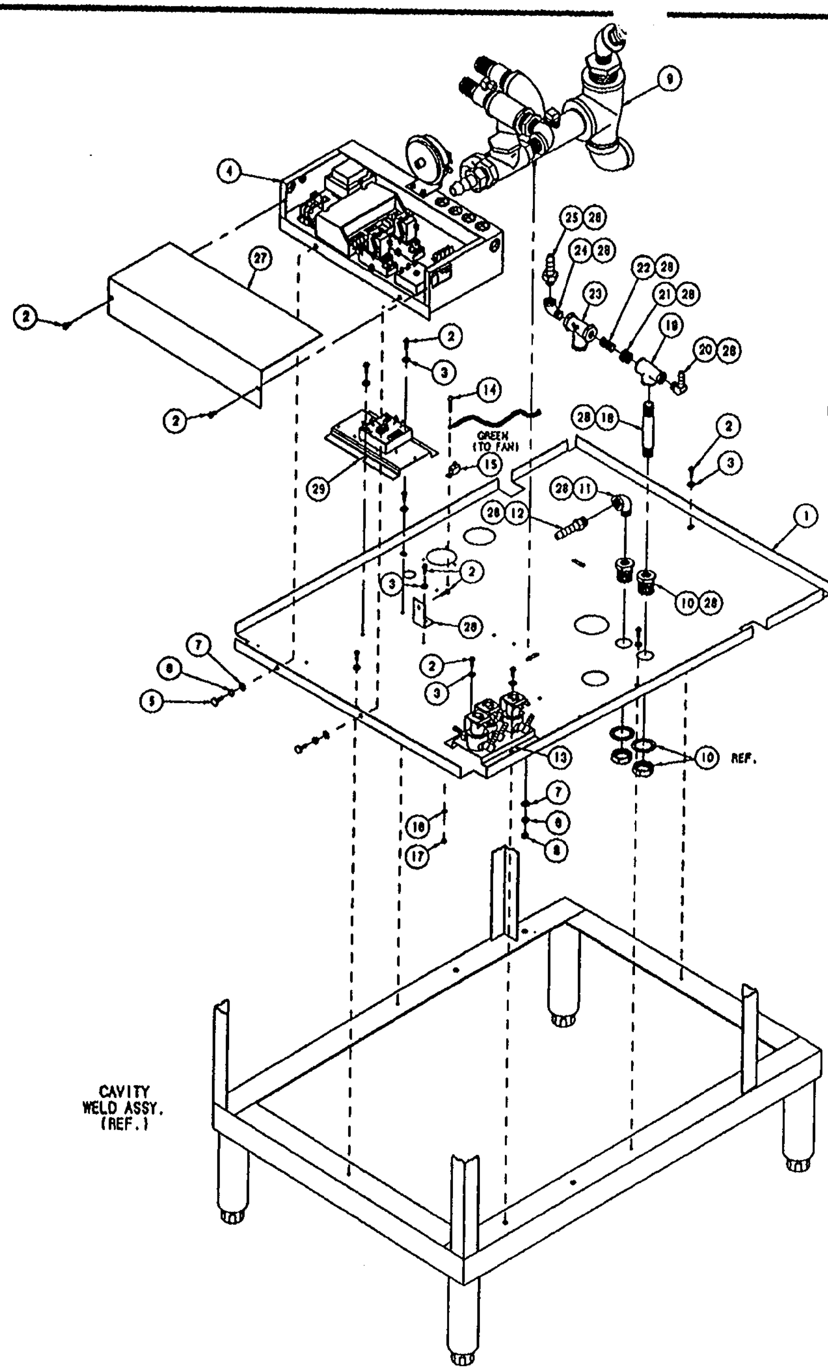
1.) DO NOT FULLY TIGHTEN SCREW (SHOULD BE ABLE TO PIVOT)

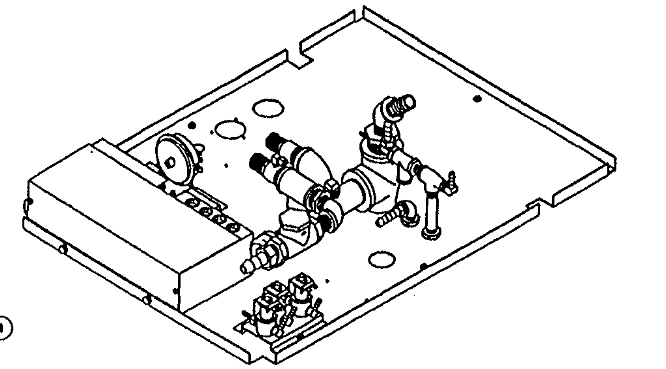
2.) APPLY LOCKTITE TO OUTSIDE THREADS OF SCREW ONLY (DO NOT APPLY TO PIVOT AREA)

REV.	ITEM	QTY.	PART NO.	DESCRIPTION
C	26	2	14652	NUT, HEX 5/16-18 S/S
C	25	2	23106	WASHER, LOCK 5/16 S/S
C	24	2	102513	WASHER, FLAT .312 X .750 X .080
C	23	2	1015631	SCREW, HEX HEAD 5/16-18 X 1-1/4
C	22	4	14616	NUT, HEX 1/4-20 S/S
C	21	4	23105	WASHER, LOCK 1/4-20 S/S
C	20	4	107277	SCREW, HEX HEAD 1/4-20 X 7/8, S/S
A	19	1	101648	SCREW, #5-40 X 1/2" LG. S/S
A	18	1	101653	NUT, #5-40, S/S
	17	8	101953	CLIP, INSULATION RETAINER
	16	1	106820	CORD, SAFETY
	15	1	106795	INSULATION, 33 X 46 X 1/4
	14	1	106794	INSULATION, 22 X 42-1/2 X 1/4
	13	–	1066891	GAS VALVE ASSY, STEAMCRAFT 10, L.P.
		–	106689	GAS VALVE ASSY, STEAMCRAFT 10, N.G.
C	12	1	106686	VERTICAL STEAM PRESSURE GENERATOR
C, B REF.	11	–	– – –	BOTTOM PAN COMPONENTS ASSEMBLY
	10	1	106681	HOOD, GAS VENT
	9	1	106666	PANEL ASSY, SIDE, RIGHT, SC 10
B	8	1	1056701	PANEL, BACK, S/S
	7	1	106661	PANEL, TOP, SC 10 PRESSURE
	6	1	106043	PANEL ASSY, SIDE, LEFT, SC 10
	5	21	104080	SCREW, TRUSS HD. SHT. MET. #8 X 1/2
A	4	A/R	01205	ADHESIVE, LOCKTITE #290-21
B	3	1	106737	DRAIN ASSY, TABLETOPS & SC 10
B	2	1	106907	PANEL ASSY, LOWER FRONT, 4"
C REF.	1	–	– – –	CAVITY ASSEMBLY WITH DOORS, SC 10

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 7/64	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE FINAL ASSY., STEAMCRAFT POWER 10, H.L. GAS, VERTICAL PRESSURE BOILER		
CK	DATE 02-21-94	DRAWING NO. C - 106697 PAGE 2 OF 3	REV. C

LET.	REVISIONS	DATE	BY
	SEE 106697 SHEET 1 OF 3		





REV.	ITEM	QTY.	PART NO.	DESCRIPTION
C	29	1	107072	CLEAN LIGHT TIMER PLATE, SC POWER 10
	28	A/R	00934	ADHESIVE, RECTORSEAL
	27	1	108809	COVER, ELECTRIC BOX
	26	1	105955	BRACKET, CONTROL MOUNT, GAS
	25	1	104048	FITTING, HOSE 1/4 MPT X 1/2 H, STR.
	24	1	05229	ELBOW, STREET 1/4 X 90°
	23	1	19870	STRAINER, 1/4
	22	1	14304	NIPPLE, 1/4 X CLOSE
	21	1	02594	BUSHING, 3/8 X 1/4
	20	1	105786	FITTING, HOSE 1/4 MPT X 1/4 H, 90°
	19	1	100527	TEE, 3/8 X 1/4 X 3/8, BRASS
	18	1	14320	NIPPLE, 3/8 X 4, BRASS
	17	1	14659	NUT, HEX 10-24, S/S
	16	1	23114	WASHER, LOCK, INT. TOOTH #10
	15	1	20304	LUG, GROUND, SOLDERLESS
	14	1	19287	SCREW, RD HD SLTD, #10-24 X 1/2
	13	1	105981	WATER INLET ASSY.
	12	1	100746	FITTING, HOSE, 3/8 NPT X 1/2 H, STR.
	11	1	05280	ELBOW, STREET, 3/8 X 90°, BRASS
	10	2	105794	FITTING, BULKHEAD, 3/8 NPT, BRASS
B	9	1	106688	DRAIN MANIFOLD ASSY., SC10, GAS, VPB
	8	1	14618	NUT, HEX, 1/4-20, S/S
	7	3	23118	WASHER, FLAT, 1/4, S/S
	6	3	23105	WASHER, SPLIT LOCK, 1/4, S/S
	5	2	19170	SCREW, HEX HD. 1/4-20 X 5/8, S/S
	4	1	106785	ELECTRIC BOX ASSY., SC 10, PRESSURE
C	3	9	101655	WASHER, FLAT #10, S/S
C	2	12	108123	SCREW, TORX/SLOT 10-32 X 1/2
C	1	1	105667	PAN, BOTTOM, STEAMCRAFT 10

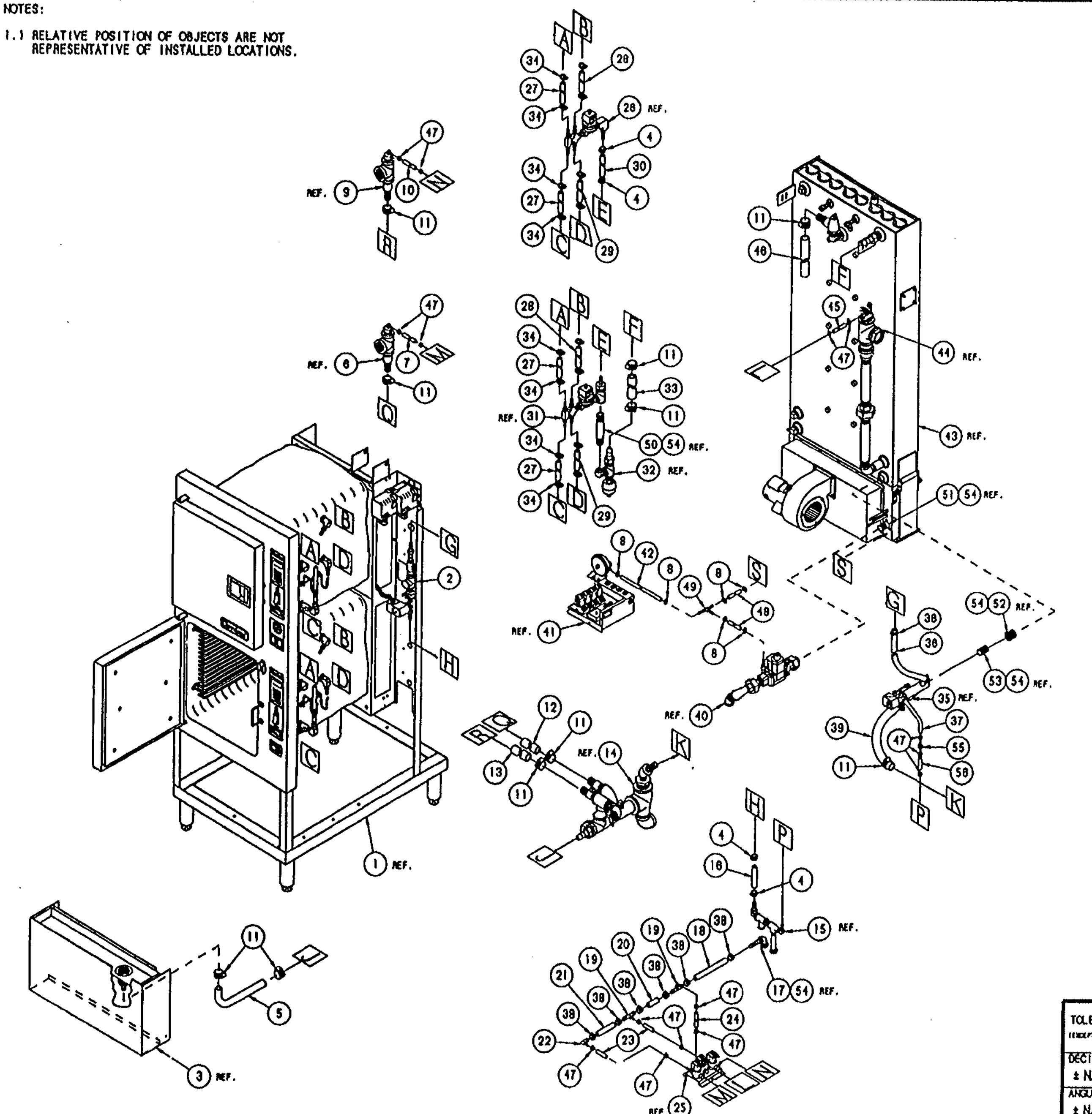
CLEVELAND RANGE INC.
1333 East 179th St. Cleveland, Ohio 44110-2574

TOLERANCES (EXCEPT AS NOTED)			
DECIMAL ± .030	SCALE 3/16"=1"	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± 1°	TITLE FINAL ASSY., STEAMCRAFT POWER 10, H.L. GAS, VERTICAL PRESSURE BOILER		
CK	DATE 02-21-94	DRAWING NO. C - 106697	PAGE 3 OF 3 — REV. C

NOTES:

1.) RELATIVE POSITION OF OBJECTS ARE NOT REPRESENTATIVE OF INSTALLED LOCATIONS.

LET.	REVISIONS		BY
A	SEE E.O. #C-2868	07-05-94	PJD
B	SEE E.O. #C-2882	12-05-94	PJD



REV.	ITEM	QTY.	PART NO.	DESCRIPTION
A	56	1	1058500200	HOSE, NT-80 1/4 X 1/2 X 2" LG.
A	55	1	107032	CHECK VALVE, PLASTIC DIAPHRAGM
	54	A/R	00934	SEALANT, RECTOPRSEAL
	53	-	14343	NIPPLE, 3/4 X CLOSE, BLACK
	52	-	02598	BUSHING, HEX, 1 X 3/4
	51	-	108840	MANIFOLD ASSY, GAS 250,000 BTU BOILER
A	50	-	14358	NIPPLE, 3/4" X 8" LG.
	49	1	105791	FITTING, HOSE, TEE, 1/4"
B	48	2	1043791000	HOSE, SILICONE 1/4 ID X 1/2 OD X 10" LG
A	47	16	106526	CLAMP, WORM DRIVE 3/16 TO 5/16 DIA.
	46	1	1054698000	HOSE, EPDM, BLACK, 1" ID X 60" LG.
	45	1	1058504800	HOSE, NT-80, 1/4 ID X 1/2 OD X 48" LG
	44	-	106690	FLOAT ASSEMBLY
B	43	-	- - -	GENERATOR ASSEMBLY, SC 10 GAS PRESSURE
B	42	1	1043792200	HOSE, SILICONE 1/4 ID X 1/2 OD X 22" LG
	41	-	105902	ELECTRIC BOX ASSEMBLY
	40	-	- - -	GAS VALVE ASSY.
A	39	1	1054690850	HOSE, EPDM, BLACK, 1" ID X 8.5" LG.
A	38	8	106219	CLAMP, WORM DRIVE 1/4 TO 25/32 DIA.
A	37	1	1058500600	HOSE, NT-80, 1/4 ID X 1/2 OD X 6" LG
A	36	1	1058494400	HOSE, NT-80 1/2 ID X 3/4 OD X 44" LG
	35	-	106687	VALVE ASSY, DRAIN
B	34	16	107093	CLAMP, HOSE, METAL TENSION BAND 3/8"
	33	1	085055150	HOSE, DARIPREEN 3/4 ID X 51.500" LG.
	32	-	106693	STEAM OUTLET ASSY.
	31	-	106692	STEAM INLET ASSY, LOWER COMPARTMENT
	30	1	085041950	HOSE, DARIPREEN 1/2 ID X 3/4 OD X 19.500
B	29	2	1052791050	HOSE, SILICONE 3/8 ID X 10.500" LG
B	28	2	1052791200	HOSE, SILICONE 3/8 ID X 12" LG
B	27	4	1052790475	HOSE, SILICONE 3/8 ID X 4.750" LG
	26	-	106691	STEAM INLET ASSY, UPPER COMPARTMENT
	25	-	105981	WATER INLET ASSY TO FLOAT & COMPTS.
	24	1	1058501100	HOSE, NT-80, 1/4 ID X 1/2 OD X 11" LG
	23	2	1058500200	HOSE, NT-80, 1/4 ID X 1/2 OD X 2" LG
	22	1	105792	FITTING, ELBOW 90°, 1/4 H X 1/2 H
	21	1	1058490300	HOSE, NT-80 1/2 ID X 3/4 OD X 3.000 LG
	20	1	1058490200	HOSE, NT-80 1/2 ID X 3/4 OD X 2.000 LG
	19	2	105790	FITTING, TEE 1/2 H X 1/2 H X 1/4 H
	18	1	1058490850	HOSE, NT-80 1/2 ID X 3/4 OD X 8.500 LG
	17	-	- - -	WATER INLET ASSY.
	16	1	1058492800	HOSE, NT-80 1/2 ID X 3/4 OD X 28" LG.
	15	-	- - -	WATER INLET TO DRAIN VALVE & WATER TREE
B	14	-	106688	DRAIN MANIFOLD ASSY, SC10 GAS PRESSURE
	13	1	1054694100	HOSE, EPDM, BLACK, 1" ID X 41" LG.
A	12	1	1054692100	HOSE, EPDM, BLACK, 1" ID X 21" LG.
A	11	11	03204	CLAMP, WORM DRIVE .812" TO 1.500" DIA.
	10	1	1058504800	HOSE, NT-80, 1/4 ID X 1/2 OD X 48" LG
B	9	1	- - -	COMPARTMENT DRAIN ASSY, SC 10, UPPER
	8	6	104383	CLAMP, NYLON, 1/2" OD HOSE
	7	1	1058503100	HOSE, NT-80, 1/4 ID X 1/2 OD X 31" LG
B	6	1	- - -	COMPARTMENT DRAIN ASSY, SC 10, LOWER
A	5	1	107010	HOSE, TRAY DRAIN, 3/4" I.D. BLACK EPDM
A	4	4	03208	CLAMP, WORM DRIVE, 1/2-29/32" DIA.
A	3	-	- - -	PANEL ASSY, LOWER FRONT, SC 10
	2	-	106702	WATER FEED ASSY.
B	1	-	- - -	CAVITY ASSY. WITH DOORS, SC 10

TOLERANCES (EXCEPT AS NOTED)

DECIMAL ± N/A

ANGULAR ± N/A

CK

CLEVELAND RANGE INC.
1333 East 179th St. Cleveland, Ohio 44110-2574

SCALE: NTS

DRAWN BY: DUTCHMAN

APPROVED BY:

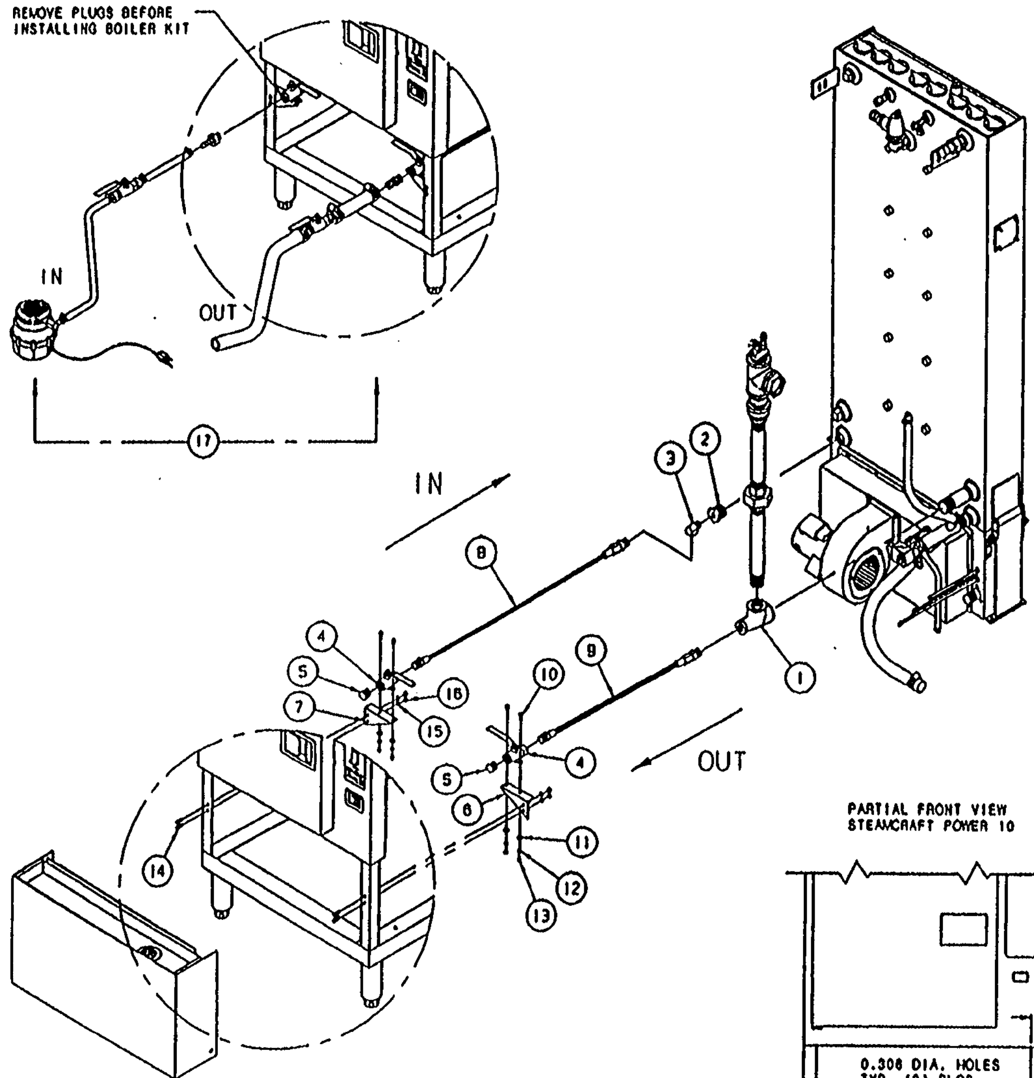
TITLE: HOSE DETAIL, STEAMCRAFT POWER 10, H.L. GAS, VERTICAL PRESSURE BOILER

DATE: 02-28-94

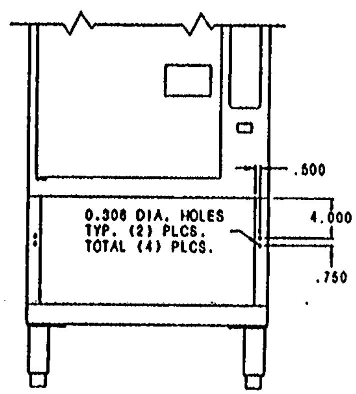
DRAWING NO.: C - 106757

REV.: B

LET.	REVISIONS	DATE	BY
-	NEW RELEASE PER E.O. #C-2735	12-09-94	PJD



PARTIAL FRONT VIEW
STEAMCRAFT POWER 10

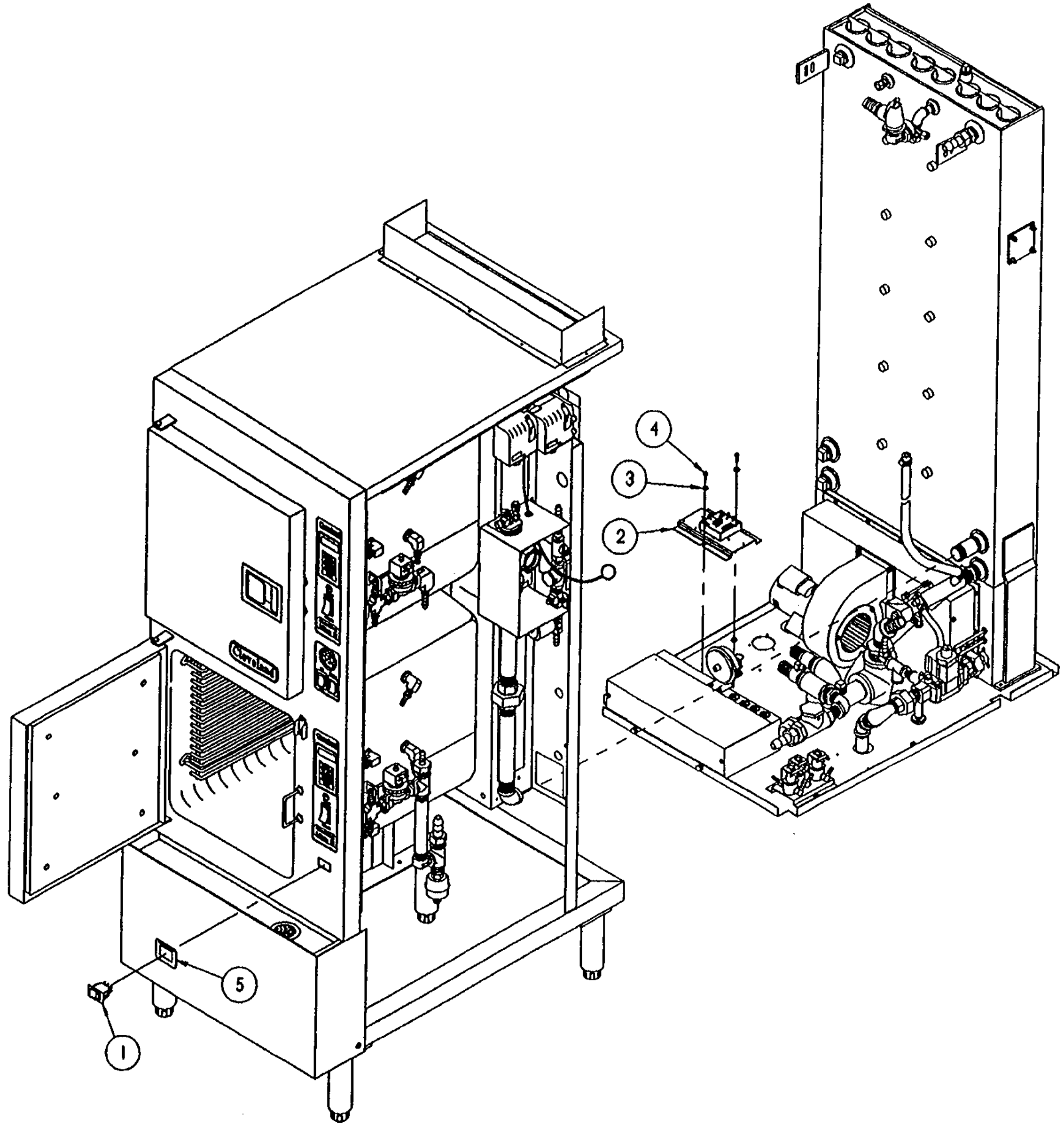


DESCALER KIT
DRILLING DIAGRAM

ITEM	QTY.	PART NO.	DESCRIPTION
17	1	107142	KIT, BOILER, DESCALER, PORTABLE
16	4	14618	NUT, HEX 1/4-20
15	4	23105	WASHER, LOCK 1/4"
14	4	19170	SCREW, HEX HEAD 1/4-20 X .625" LG.
13	4	14646	NUT, HEX #10-32
12	4	23113	WASHER, LOCK #10
11	4	101666	WASHER, FLAT #10
10	4	106124	SCREW, PAN HEAD #10-32 X 1" LG.
9	1	107223	HOSE ASSY, TEFLON, S/S BRAIDED 1/2"
8	1	107222	HOSE ASSY, TEFLON, S/S BRAIDED 3/8"
7	1	1072131	BRACKET, BALL VALVE MOUNTING, L.H.
6	1	107213	BRACKET, BALL VALVE MOUNTING, R.H.
5	2	16606	PLUG, HEX HEAD 1/2" PIPE
4	2	107221	BALL VALVE W/ MOUNTING TABS
3	1	05280	ELBOW, STREET 3/8" BRASS
2	1	02626	BUSHING, REDUCER 1" X 3/8", BRASS
1	1	100223	TEE, 1" X 1/2" X 1", BLACK

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 1/8"	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE DESCALER KIT STEAMCRAFT POWER		
CK	DATE 10-17-94	DRAWING NO. C - 10..4	REV. -

LET.	REVISIONS	DATE	BY

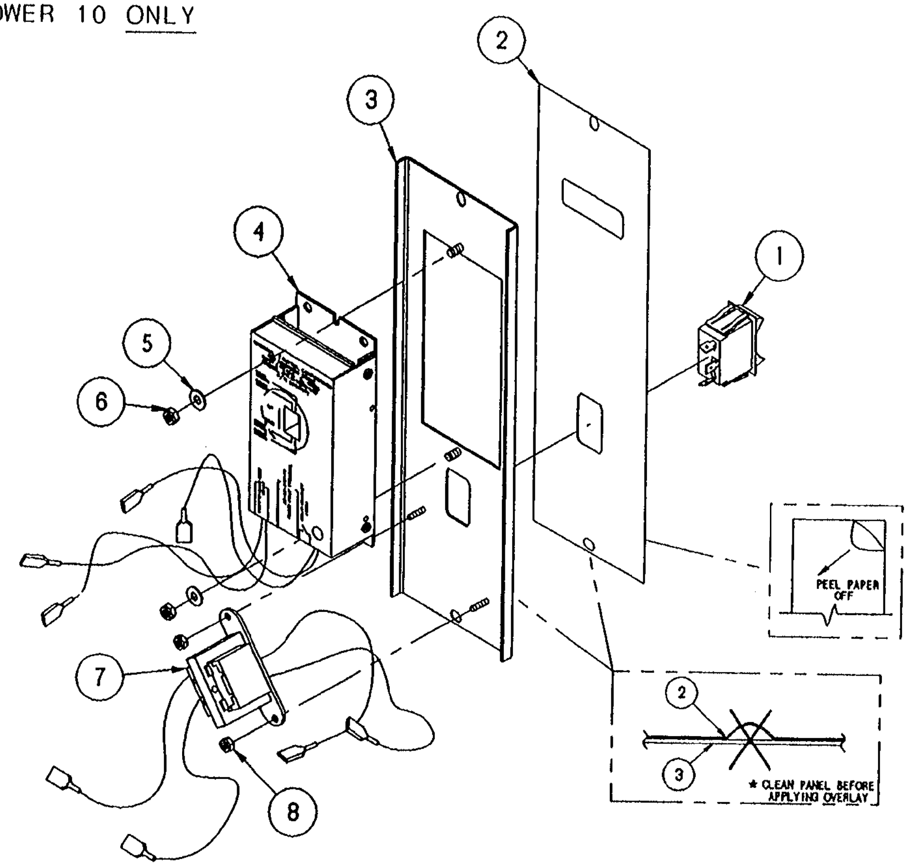


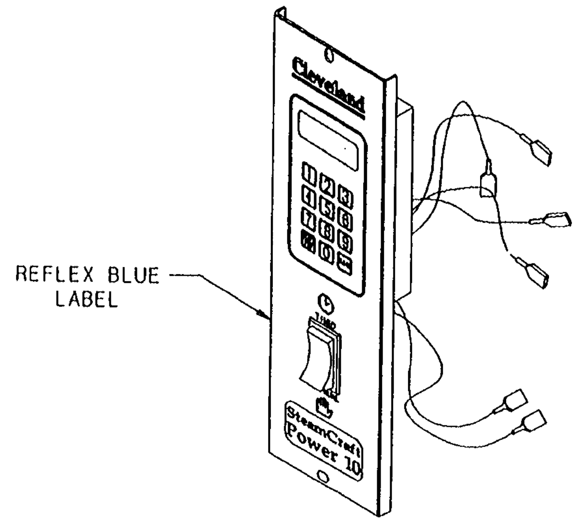
ITEM	QTY.	PART NO.	DESCRIPTION
5	1	107011	LABEL, CLEAN LIGHT
4	2	108123	SCREW, TORX/SLOT 10-32 X 1/2
3	2	101655	WASHER, FLAT #10 S/S
2	1	107072	CLEAN LIGHT TIMER PLATE, SC POWER 10
1	1	19994	SWITCH, ROCKER, SPST

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 5/32=1	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE INSTRUCTION, INSTALLATION POWER 10 GAS CLEAN LIGHT AND TIMER PLATE		
CK	DATE 09-15-94	DRAWING NO. C - 260ALE	REV. -

STEAMCRAFT
POWER 10 ONLY

LET.	REVISIONS	DATE	BY





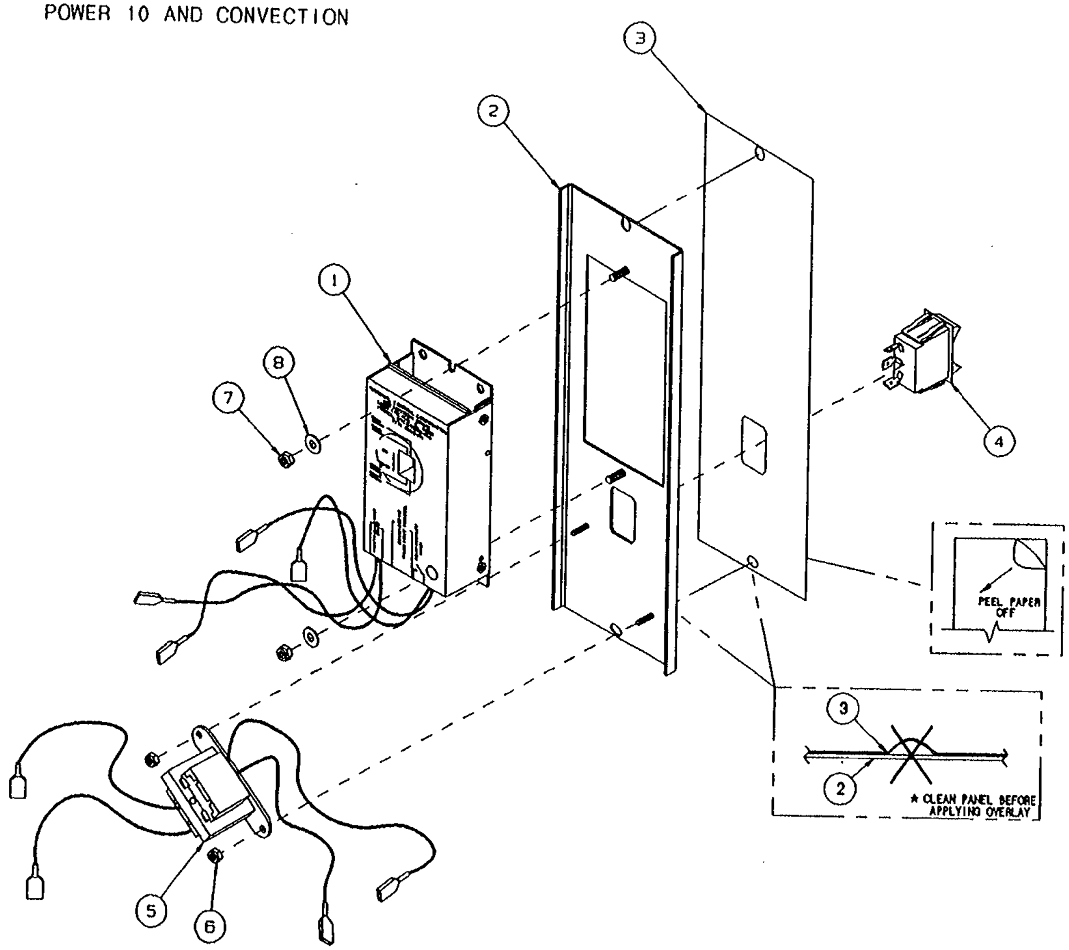
ITEM	QTY.	PART NO.	DESCRIPTION
8	2	104223	NUT, HEX, #6-32, ELASTIC LOCK
7	1	104390	TRANSFORMER ASSEMBLY
6	2	14692	NUT, HEX, #10-24, ELASTIC LOCK
5	2	101655	WASHER, FLAT, #10, S/S
4	1	104389	TIMER ASSEMBLY, NCC
3	1	104704	PANEL, WELDMENT, ELEC TIMER
2	1	1084541	LABEL, CONTROL PANEL POWER 10
1	1	104224	SWITCH, ROCKER, SPDT

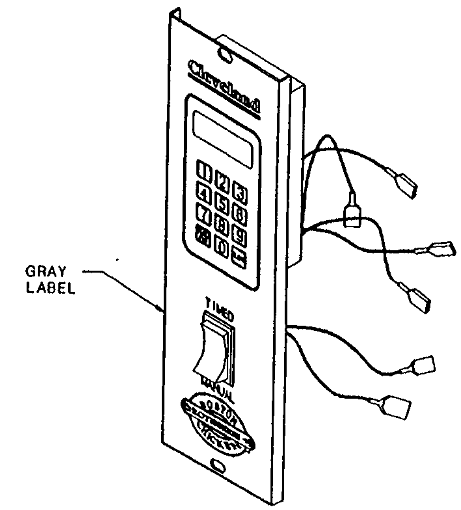
TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 3/8=1	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE CONTROL PANEL, NCC TIMER STEAMCRAFT POWER 10		
CK	DATE 05-06-94	DRAWING NO. B - 106999	REV. -

LET.	REVISIONS	DATE	BY

BOSTON CHICKEN ONLY

POWER 10 AND CONVECTION



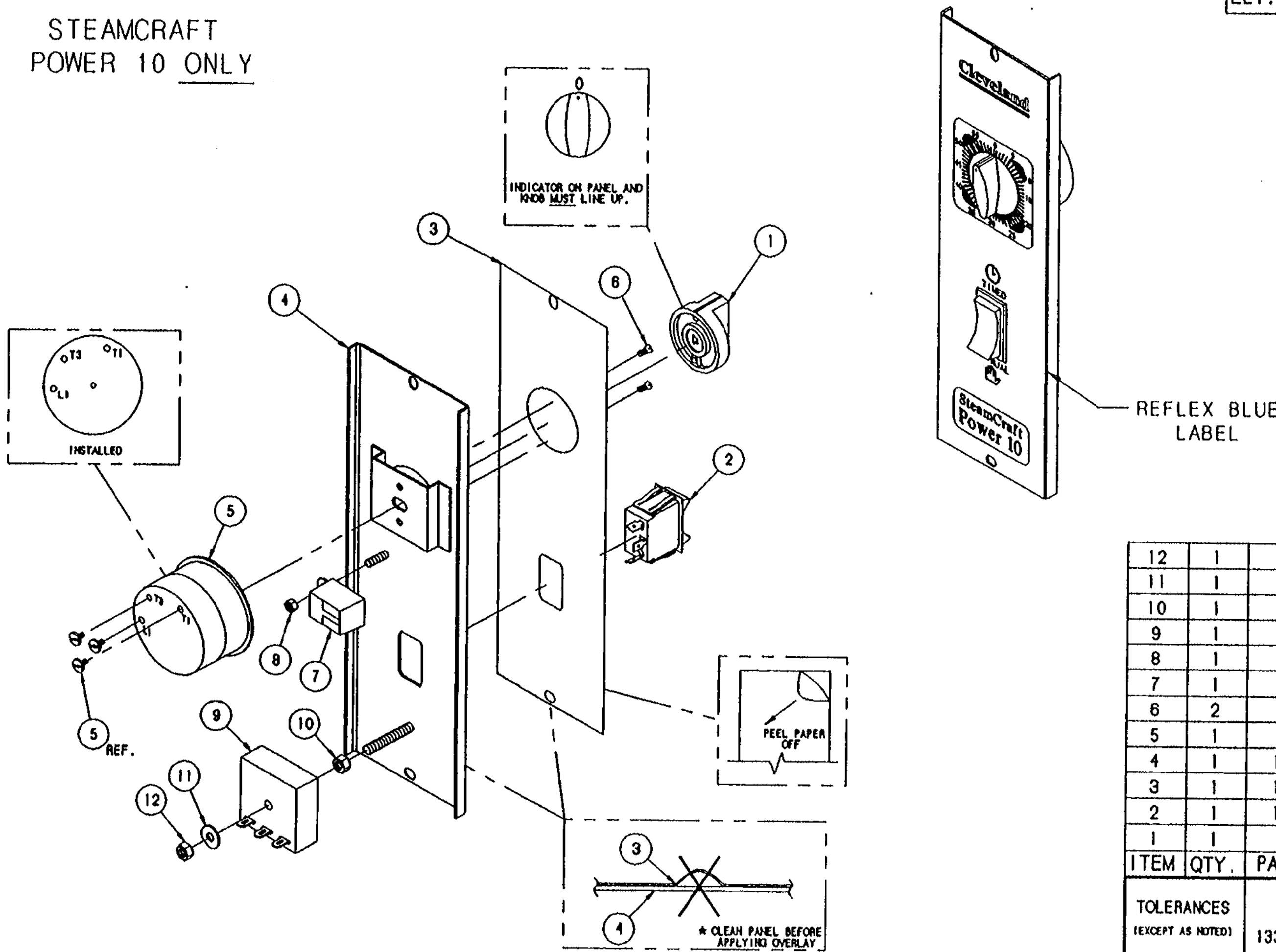


ITEM	QTY.	PART NO.	DESCRIPTION
8	2	101655	WASHER, FLAT #10
7	2	14692	NUT, HEX 10-24 ELASTIC LOCK
6	2	104223	NUT, HEX 6-32 ELASTIC LOCK
5	1	104390	TRANSFORMER ASSEMBLY
4	1	104224	SWITCH, ROCKER, SPDT MATTE FINISH
3	1	106738	LABEL, CONTROL PANEL NCC (GRAY COLOR)
2	1	104704	PANEL, WELDMENT, NCC
1	1	104389	TIMER ASSEMBLY, NCC

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± .030	SCALE 3/8=1	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± 1°	TITLE TIMER ASSEMBLY, NCC BOSTON CHICKEN		
CK	DATE 05-06-94	DRAWING NO. B - 106827	REV. -

STEAMCRAFT
POWER 10 ONLY

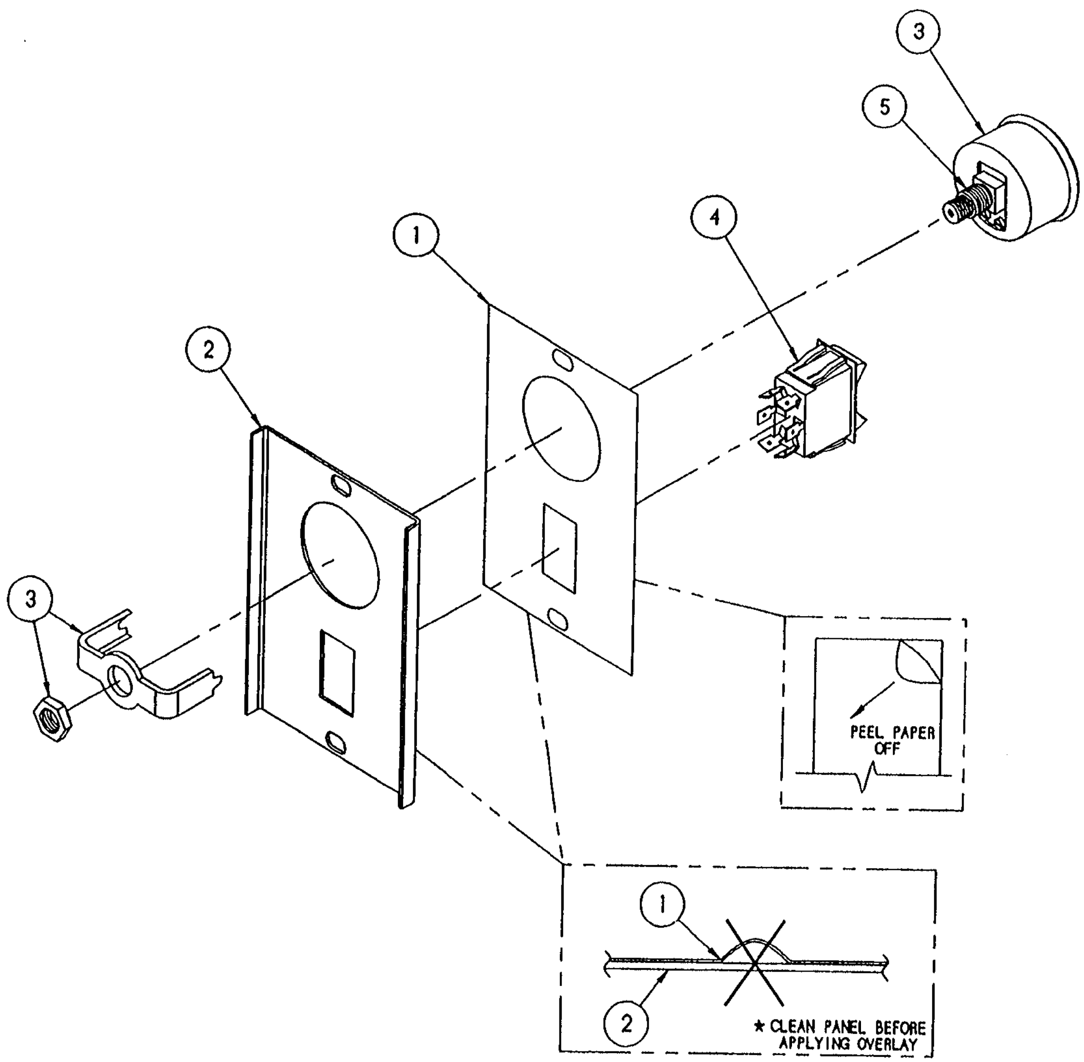
LET.	REVISIONS	DATE	BY

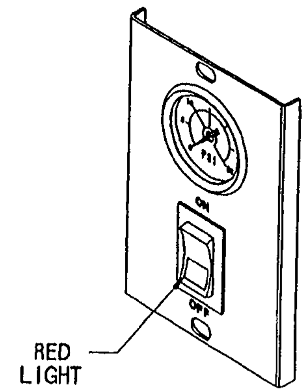


ITEM	QTY.	PART NO.	DESCRIPTION
12	1	101873	NUT, HEX, 1/4-20, ELASTIC LOCK
11	1	23116	WASHER, FLAT, 1/4, S/S
10	1	14617	NUT, HEX, 1/4-20, BLACK OXIDE
9	1	20477	TIMER, SOLID STATE, 3 SEC
8	1	14692	NUT, HEX, 10-24, ELASTIC LOCK
7	1	41350	BUZZER ASSY, w/ TERMINALS
6	2	19201	SCREW, PAN HD, 5-40 x .250
5	1	20476	TIMER, 60 MIN, MECH, SWITCH
4	1	104958	PANEL, WELDMENT, MECH, TIMER
3	1	1065371	LABEL, CONTROL PANEL, MECH.
2	1	104224	SWITCH, ROCKER, SPDT
1	1	11307	KNOB, TIMER

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 3/8=1	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE CONTROL PANEL, MECHANICAL TIMER STEAMCRAFT POWER 10		
CK	DATE 05-06-94	DRAWING NO. B - 107000	REV. -

LET.	REVISIONS	DATE	BY

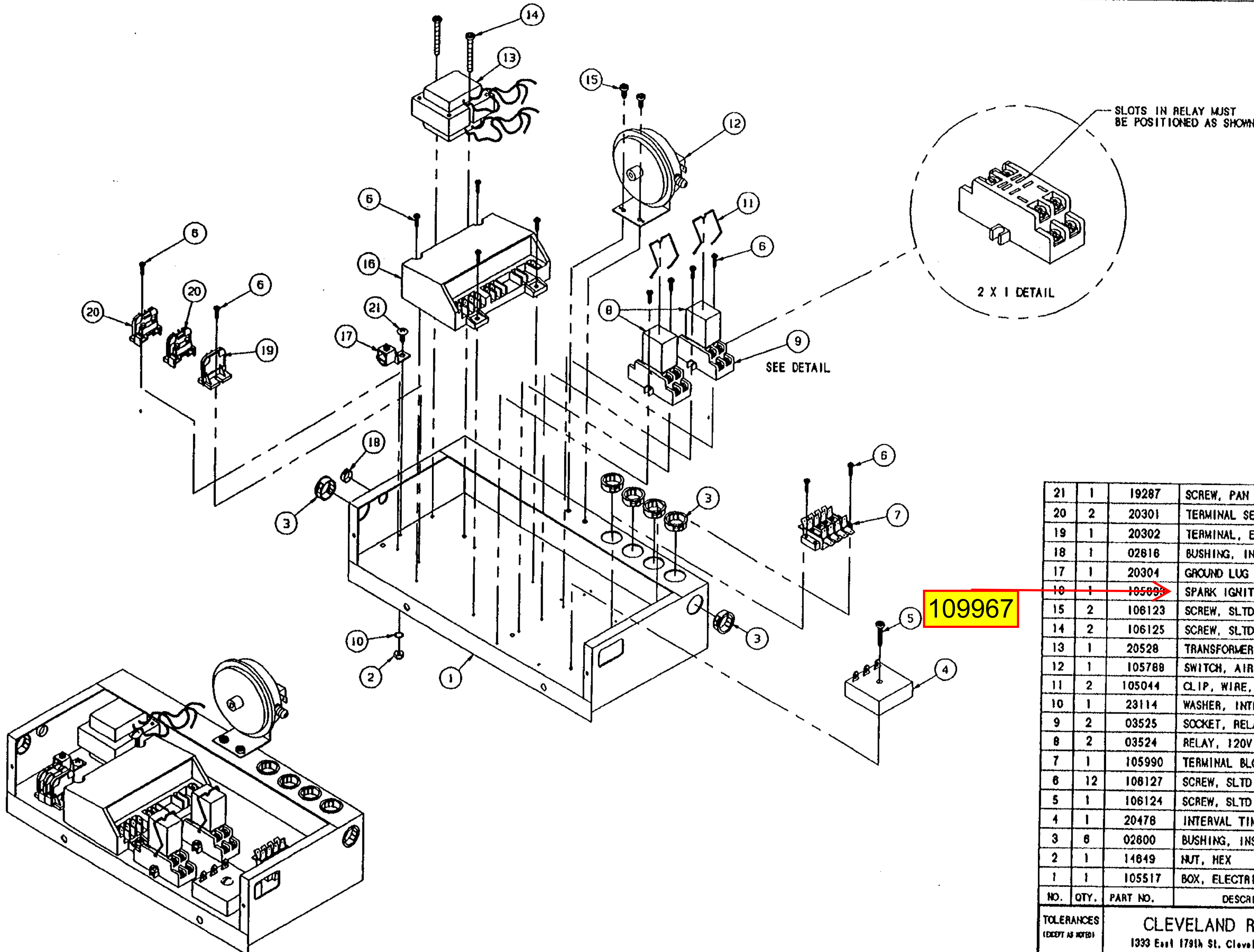




ITEM	QTY.	PART NO.	DESCRIPTION
5	A/R	00934	ADHESIVE, RECTORSEAL
4	1	19993	SWITCH, ROCKER, DPDT, ON/OFF
3	1	07168	GAUGE, PRESSURE, 10 PSI
2	1	1067221	PANEL, CONTROL, WELD ASSY
1	1	106695	LABEL, CONTROL PANEL, POWER

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 1/2=1	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE PANEL ASSEMBLY POWER SWITCH SC 10, DIRECT CONNECT		
CK	DATE 10-15-93	DRAWING NO. B - 1[illegible]04	REV. -

LET	REVISIONS	DATE	BY
A	ADDED DETAIL PER E.O. #C-2702	08-09-94	PJD



NO.	QTY.	PART NO.	DESCRIPTION
21	1	19287	SCREW, PAN HEAD, 10-24 X 1/2
20	2	20301	TERMINAL SECTION, MARATHON
19	1	20302	TERMINAL, END SECTION, MARATHON
18	1	02816	BUSHING, INSULATOR, HEYCO
17	1	20304	GROUND LUG
16	1	[illegible]	SPARK IGNITION CONTROL MODULE
15	2	106123	SCREW, SLTD TORX, #10-32 X 1/2
14	2	106125	SCREW, SLTD TORX, #10-32 X 1.75
13	1	20528	TRANSFORMER, 24 VOLT
12	1	105788	SWITCH, AIR PROVER
11	2	105044	CLIP, WIRE, RELAY
10	1	23114	WASHER, INTERNAL TOOTH, 10-32
9	2	03525	SOCKET, RELAY
8	2	03524	RELAY, 120V
7	1	105990	TERMINAL BLOCK ASSY, 4 POLE
6	12	106127	SCREW, SLTD TORX, #6-32 X 1/2
5	1	106124	SCREW, SLTD TORX, #10-32 X 1
4	1	20478	INTERVAL TIMER, 180 SEC.
3	6	02600	BUSHING, INSULATOR, HEYCO
2	1	14649	NUT, HEX
1	1	105517	BOX, ELECTRIC, WELDMENT

TOLERANCES (EXCEPT AS NOTED)

CLEVELAND RANGE INC.
1333 East 179th St. Cleveland, Ohio 44110-2574

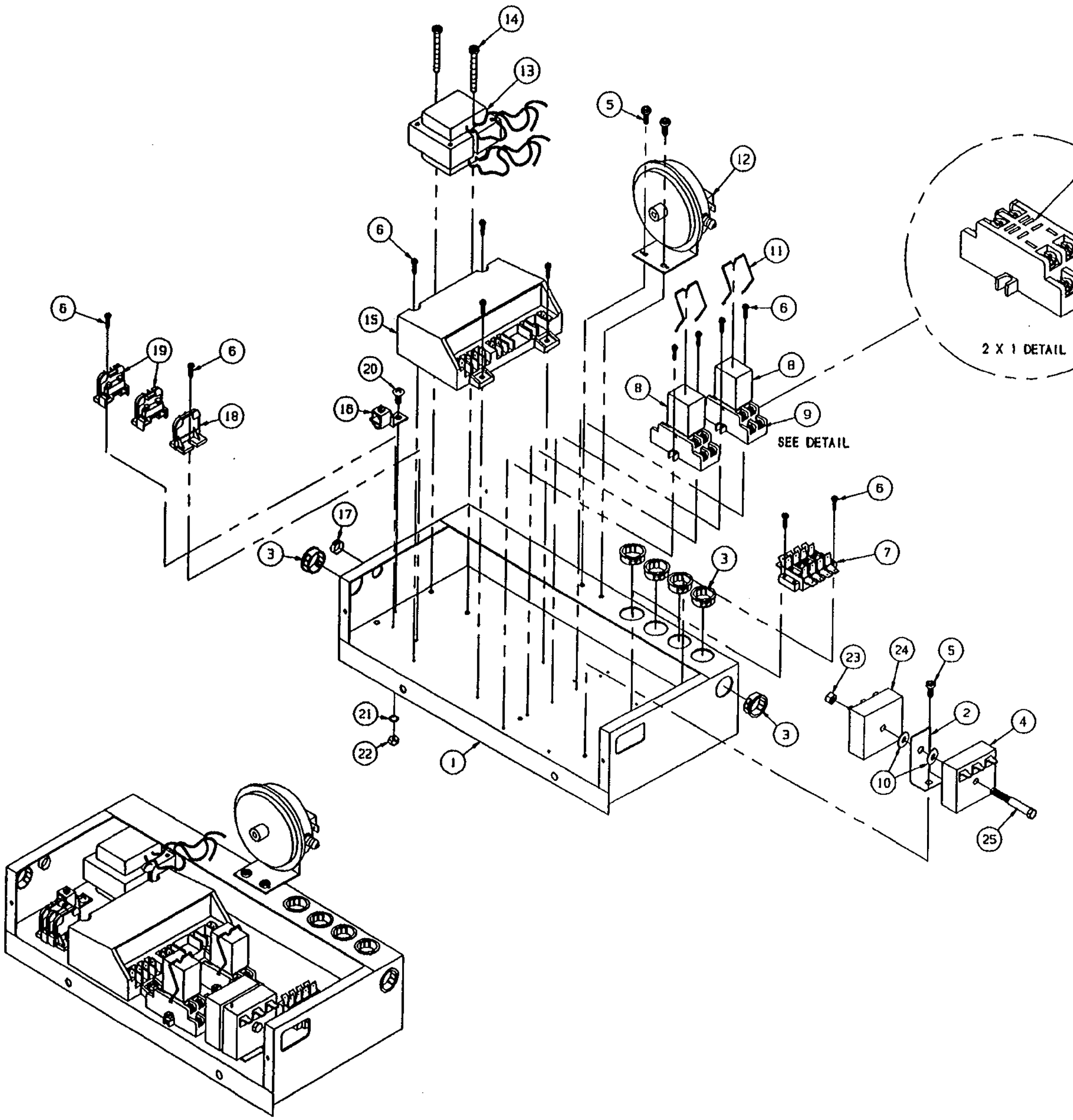
DECIMAL ± N/A
ANGULAR ± N/A

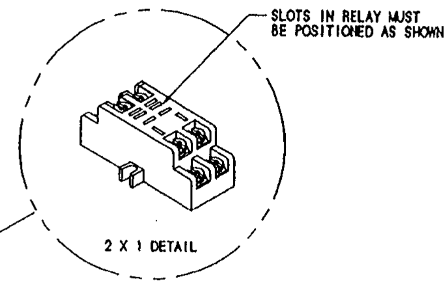
SCALE 3/8=1 | DRAWN BY D. DODSON | APPROVED BY -

TITLE: ELECTRIC BOX ASSEMBLY STEAMCRAFT 10, PRESSURE

CK | DATE 02-10-94 | DRAWING NO. C - 106785 | REV. A

LET	REVISIONS	DATE	BY



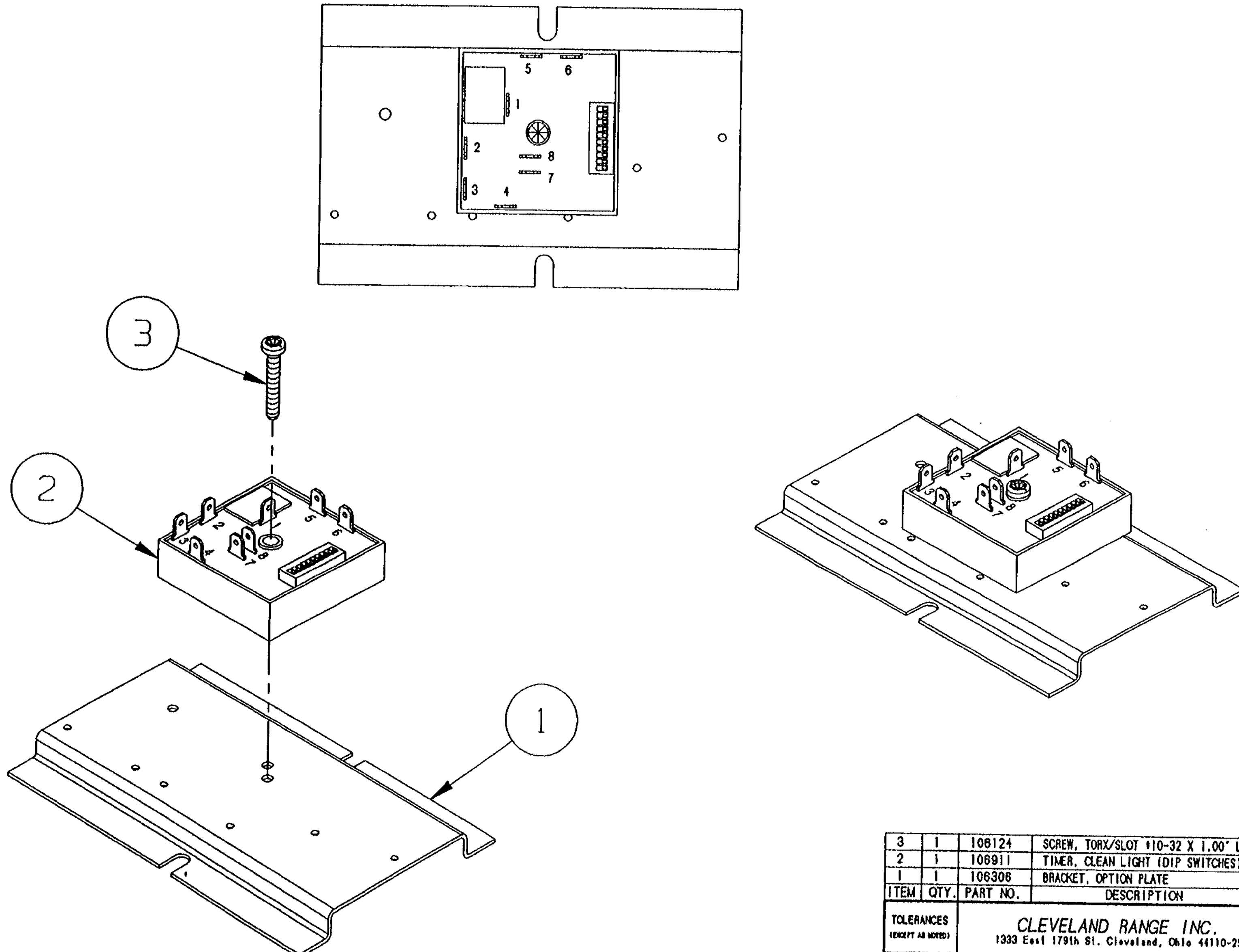


2 X 1 DETAIL

NO.	QTY.	PART NO.	DESCRIPTION
25	1	108118	BOLT, 1/4-20 X 2-1/4, ZINC PLTD
24	1	104716	TIMER, RECYCLING
23	1	14618	NUT, HEX, 1/4-20, FULL FINISH
22	1	14649	NUT, HEX
21	1	23114	WASHER, INTERNAL TOOTH, 10-32
20	1	19287	SCREW, PAN HD, 10-24 X 1/2
19	2	20301	TERMINAL SECTION, MARATHON
18	1	20302	TERMINAL, END SECTION, MARATHON
17	1	02616	BUSHING, INSULATOR, HEYCO
16	1	20304	GROUND LUG
15	1	105693	SPARK IGNITION CONTROL MODULE
14	2	106125	SCREW, SLTD TORX, #10-32 X 1.75
13	1	20528	TRANSFORMER, 24 VOLT
12	1	105788	SWITCH, AIR PROVER
11	2	105044	CLIP, WIRE, RELAY
10	2	23116	WASHER, FLAT, 1/4-20, S/S
9	2	03525	SOCKET, RELAY
8	2	03524	RELAY, 120V
7	1	105990	TERMINAL BLOCK ASSY, 4 POLE
6	12	106127	SCREW, SLTD TORX, #6-32 X 1/2
5	3	106123	SCREW, SLTD TORX, #10-32 X 1/2
4	1	20478	INTERVAL TIMER, 180 SEC.
3	6	02600	BUSHING, INSULATOR, HEYCO
2	1	105955	BRACKET, DUAL TIMER MOUNTING
1	1	105517	BOX, ELECTRIC, WELDMENT

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 3/8=1	DRAWN BY D. DODSON	APPROVED BY -
ANGULAR ± N/A	TITLE ELECTRIC BOX ASSEMBLY S/C 10 PRESSURE, INTERMITTENT BLOWDOWN		
CK	DATE 02-10-94	DRAWING NO. C - 10678	EV. -

LET.	REVISIONS	DATE	BY



ITEM	QTY.	PART NO.	DESCRIPTION
3	1	106124	SCREW, TORX/SLOT #10-32 X 1.00" LG.
2	1	106911	TIMER, CLEAN LIGHT (DIP SWITCHES)
1	1	106306	BRACKET, OPTION PLATE

TOLERANCES (EXCEPT AS NOTED)

DECIMAL ± .030

ANGULAR ± 1°

CLEVELAND RANGE INC.
1333 East 179th St. Cleveland, Ohio 44110-2574

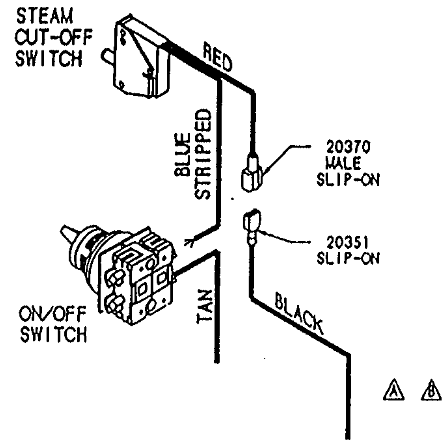
SCALE 1=1 | DRAWN BY DUTCHMAN | APPROVED BY

TITLE: CLEAN LIGHT TIMER PLATE STEAMCRAFT POWER 10

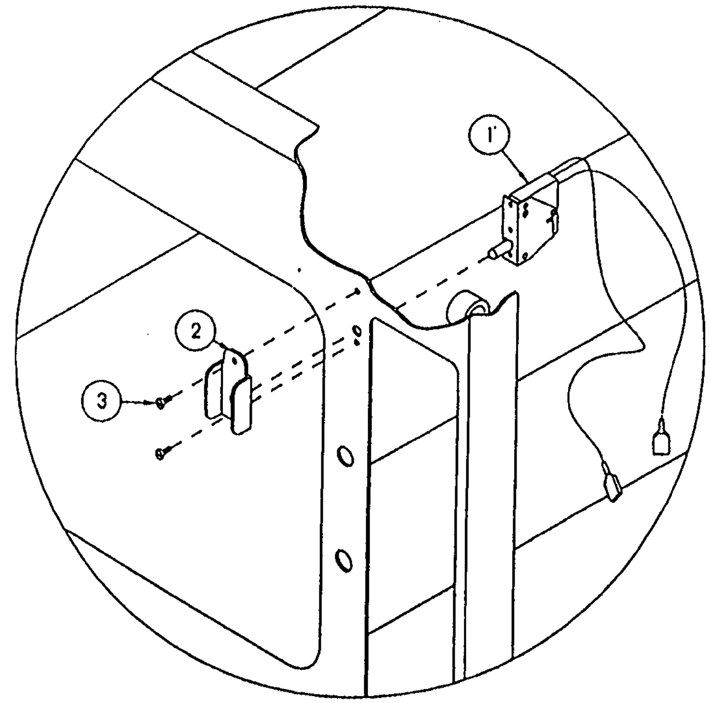
CK | DATE 09-15-94 | DRAWING NO. C - 107072 | REV. -

LET.	REVISIONS	DATE	BY
A	WAS: HIGH LIMIT NOW: FLOAT PER E.O. #C-2361 R1	03-01-93	PJC
B	20351 BLACK WAS FROM FLOAT ONLY PER EO #C-2361 R2	04-14-93	PJC

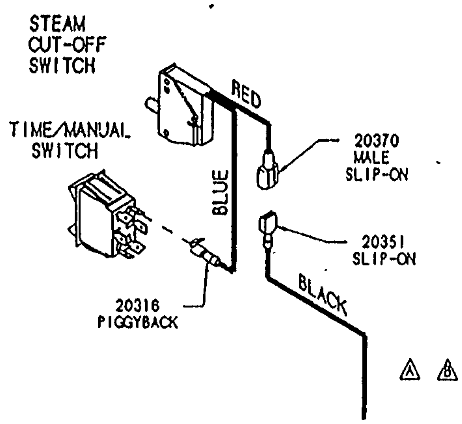
FOR ON/OFF SWITCH TIMER



FROM: FLOAT (STANDARD)
GEN. STAND-BY TIMER (SBY OPTION)
BELL TERMINAL (TDS AND SBY OPTIONS TOGETHER)



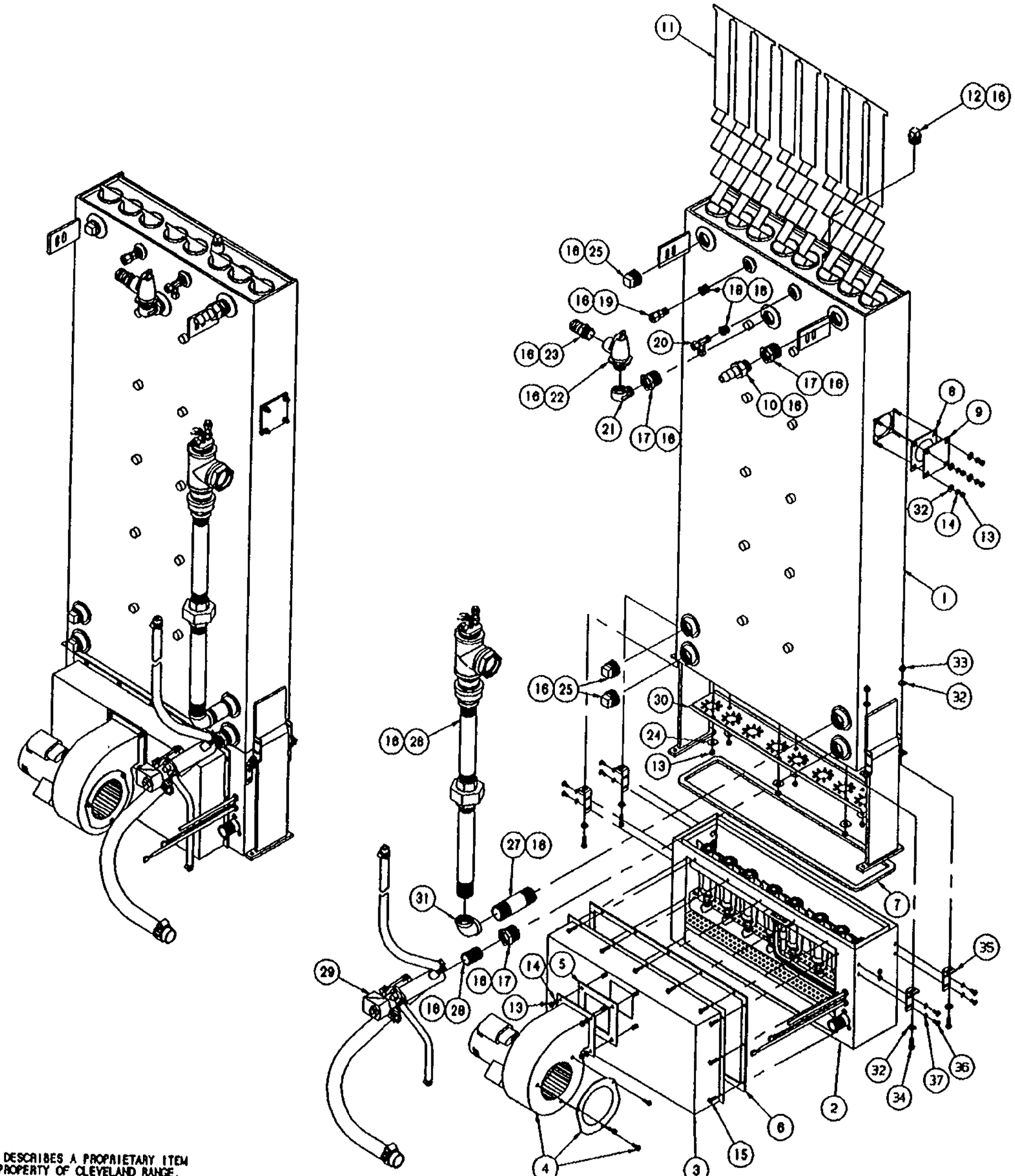
FOR ELECTRICAL & 60 MINUTE MECHANICAL TIMERS



FROM: FLOAT (STANDARD
GEN. STAND-BY T ER (SBY OPTION)
BELL TERMINAL (S AND SBY OPTIONS TOGETHER)

ITEM	QTY.	PART NO.	DESCRIPTION
3	2	105449	SCREW, TRUSS HD. 6-32 X .312, S/S
2	1	105442	GUARD, SWITCH PROTECTION
1	1	104702	SWITCH, CMPT. STEAM SHUT-OFF

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± .030	SCALE NTS	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± 1°	TITLE STEAM CUT-OFF OPTION STEAMCRAFT 3.1 AND 5.1		
CK	DATE 02-03-93	DRAWING NO. C - 1 5	REV. B

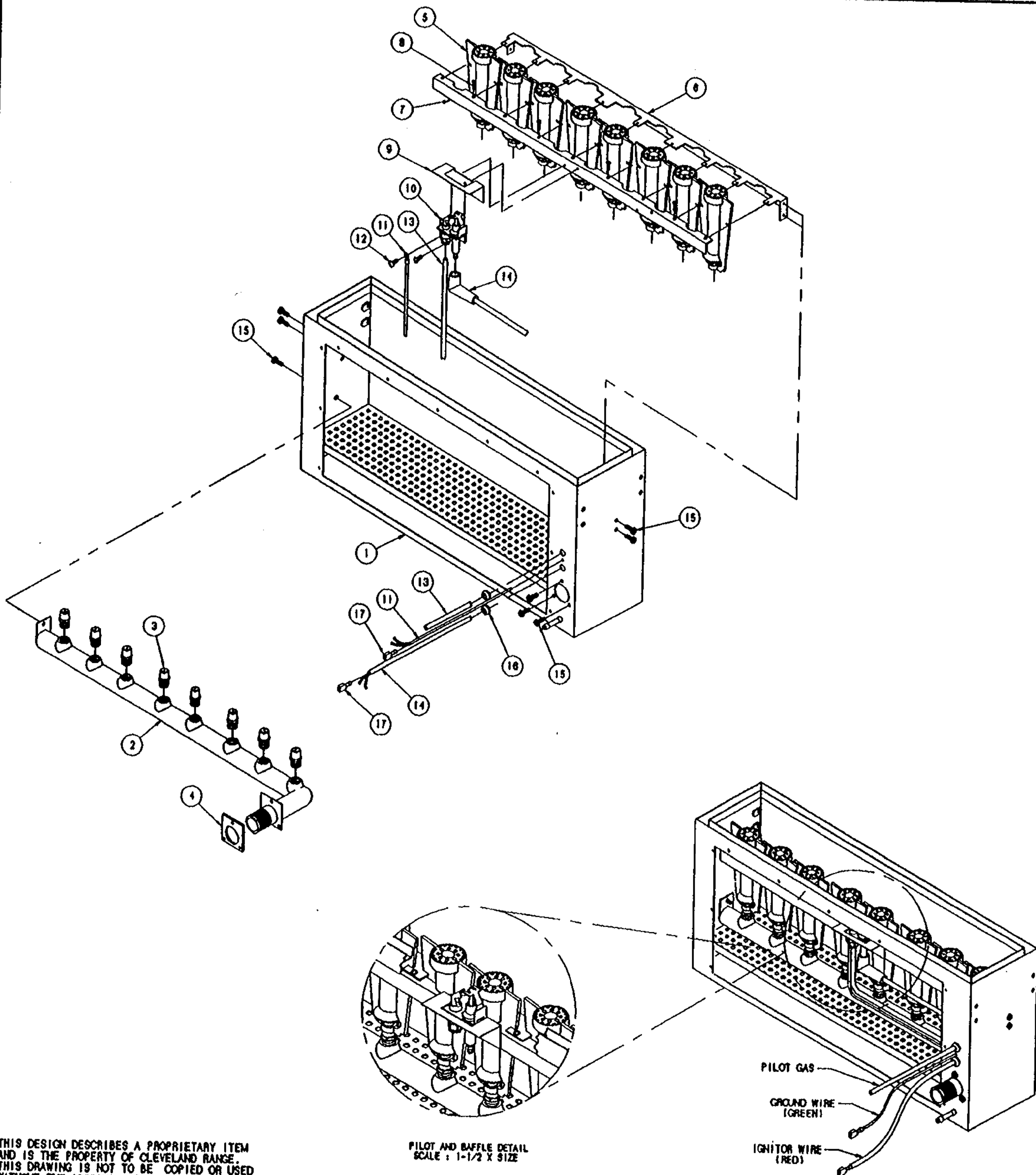


LET.	REVISIONS	DATE	BY
A	ADDED 23116 (QTY 4), AND 106764 WAS QTY 1, IS QTY 8, #C-2681	07-08-94	PJD
B	ADDED BRACKETS TO 106167, ADDED QTY 8 OF 23116, ADDED 14465, 19288, 106941, 101231, 23114, EO #C-2758.	09-27-94	PJD

ITEM	QTY.	PART NO.	DESCRIPTION
37	8	23114	WASHER, LOCK, INT. TOOTH, #10
36	8	101231	SCREW, TRUSS HEAD 10-24 X 1/2 LG., S/S
35	4	106941	BRACKET, AIR BOX SUPPORT, PRESSURE 10
34	4	19288	SCREW, HEX HEAD 1/4-20 X 3/4 LG.
33	4	14665	NUT, HEX ELASTIC 1/4-20
32	12	23116	WASHER, FLAT 1/4 X 5/8
31	1	05265	ELBOW, 1" X 90°, BLACK
30	1	106732	PLATE, TURBULATOR
29	1	106687	VALVE ASSY., DRAIN, SC 10 PRESSURE
28	1	14343	NIPPLE, 3/4" X CLOSE, BLACK
27	1	14375	NIPPLE, 1" X 4" LG, BLACK
26	1	106690	FLOAT ASSY, SC 10, PRESSURE
25	3	16637	PLUG, SQ. HEAD, 1" MPT
24	6	23136	WASHER, FLAT 3/8 X 7/8 X 1/16, S/S
23	1	06165	FITTING, HOSE BARB 3/4 MPT X 1" H, BRASS
22	1	22131	VALVE, SAFETY, 3/4", 15 PSI
21	1	05231	ELBOW, STREET 3/4"
20	1	100683	FITTING, COMP. TEE 3/8 T X 1/4 NPT X 3/8 T
19	1	06195	FITTING, COMP. 3/8 T X 1/4 MPT, STR.
18	2	02594	BUSHING, HEX 3/8 X 1/4, BRASS
17	3	02596	BUSHING, HEX 1 X 3/4
16	A/R	00934	SEALANT, RECTORSEAL
15	11	106126	SCREW, TORX-SLOT PAN HD., 8-32 X 1/2
14	8	23105	WASHER, SPLIT LOCK, 1/4, S/S
13	14	14618	NUT, HEX, 1/4-20, S/S
12	1	16602	PLUG, SQ. HEAD, 1/2 PIPE, BLACK
11	8	106764	BAFFLE ASSEMBLY, COMBUSTION
10	1	06240	FITTING, HOSE BARB, 3/4 T x 3/4 MPT
9	1	104614	PLATE, BLOCKOFF
8	1	07126	GASKET, HEATER/BLOCKOFF PLATE
7	1	106725	GASKET, BOILER MOUNT
6	1	106724	GASKET, BURNER MOUNT
5	1	105928	GASKET, FAN MOUNT
4	1	105695	FAN, CENTRIFUGAL, 200 CFM
3	1	106637	CHAMBER, AIR DISTRIBUTION ASSEMBLY
2	1	106685	BURNER BOX ASSEMBLY, NATURAL GAS
1	1	106167	STEAM GENERATOR ASSEMBLY, WELDMENT

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 5/32=1	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE VERTICAL STEAM GENERATOR ASSEMBLY 250,000 BTU, STEAMCRAFT 10		
CK	DATE 02-14-94	DRAWING NO. C - 106686	REV. B

LET.	REVISIONS	DATE	BY
A	1066986000 REPLACED 1061446000 PER E.O. #C-2616	05-05-94	PJD
B	P/N 106646 CORRECTED PICTORIALLY PER E.O. #C-2702	08-09-94	PJD
C	ADDED HOLES AND WELDNUTS TO BURNER AIR BOX - SEE E.O. #C-2682	09-27-94	PJD



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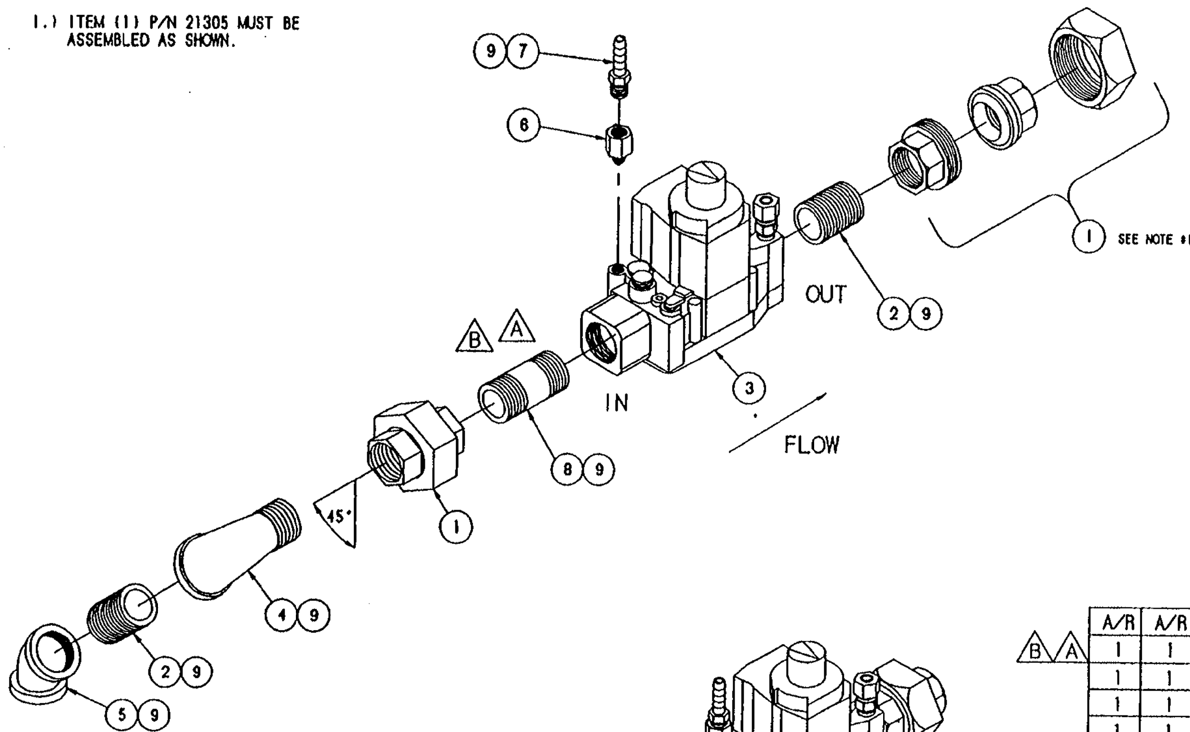
ITEM	QTY.	PART NO.	DESCRIPTION
17	2	20356	TERMINAL, SLIPON, FULL INSUL.
16	2	106129	GROMMET, RUBBER, 1/4" OD
15	8	106123	SCREW, TORX/SLOT PAN HD. #10-32 x 1/2"
14 (A)	1	1066986000	WIRE ASSY, IGNITION, 60" LG. (RED)
13	1	106721	TUBE, FORMED, PILOT TO GAS, ALUMINUM
12	2	19114	SCREW, PAN HEAD, PHILLIPS, #8-32 x .375
11	1	1061451700	WIRE ASSY, 18 GA., 17" LG. (GREEN)
10	-	1057841	PILOT ASSEMBLY L.P., INTERMITTENT PILOT
	-	105784	PILOT ASSY. NATURAL GAS, INTERM. PILOT
9	1	106412	BAFFLE, AIR, PILOT
8	4	101879	SCREW, HEX WASH HEAD, #6-32 x 1/2"
7	1	106644	BRACKET, BURNER CLAMPING
6	1	106643	BRACKET, BURNER SUPPORT
5	8	105781	BURNER, INSHOT, 30,000 BTU
4	1	106720	GASKET, GAS MANIFOLD
3	-	1067621	ORIFICE, LP GAS, VERTICAL BOILER
	-	106762	ORIFICE, GAS, NATURAL, VERTICAL BOILER
2	1	106640	MANIFOLD ASSY, GAS, 250,000 BTU BOILER
1 (C)(B)	1	106646	BURNER AIR BOX, WELD ASSEMBLY

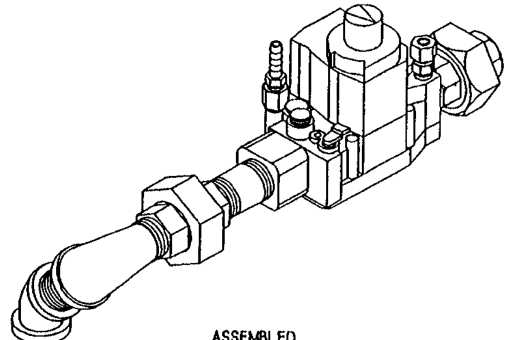
TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 1/2=1"	DRAWN BY Dutchman	APPROVED BY
ANGULAR ± N/A	TITLE BURNER BOX ASSEMBLY 250,000 BTU VERTICAL BOILER NATURAL GAS / LP GAS		
CK	DATE 02-14-94	DRAWING NO. C - 106685	REV. C

NOTES:

1.) ITEM (1) P/N 21305 MUST BE ASSEMBLED AS SHOWN.

LET.	REVISIONS	DATE	BY
A	REPLACED ONE OF 14343 WITH 14345 SEE EO C-2616.	4/28/94	DLD
B	REPLACED 14345 WITH 14344, AND 1067191 WITH 1067192, C-2708.	8/23/94	DLD





ASSEMBLED UNIT

Rev.	QTY. 1066891	QTY. 106689	ITEM	PART NO.	DESCRIPTION
	A/R	A/R	9	00934	SEALANT, RECTORSEAL
B A	1	1	8	14344	NIPPLE, 3/4 X 2", BLACK
	1	1	7	104380	FITTING, HOSE BARB 1/4 H X 1/8 MPT
	1	1	6	106803	FITTING, ADAPTER 1/8 T X 1/8 NPT
	1	1	5	05262	ELBOW, 3/4" X 45°, BLACK
	1	1	4	05259	ELBOW, STREET, 90°, 3/4, BLACK
B	1	-	3	1067192	VALVE, GAS REGULATOR, LIQUID PROPANE
	-	1	3	106719	VALVE, GAS REGULATOR, NATURAL GAS
A	2	2	2	14343	NIPPLE, 3/4 x CLOSE, BLACK
	2	2	1	21305	UNION, 3/4, BLACK

TOLERANCES (EXCEPT AS NOTED)

DECIMAL ± N/A

ANGULAR ± N/A

CK

CLEVELAND RANGE INC.
1333 East 179th St. Cleveland, Ohio 44110-2574

SCALE 1/4=1

DRAWN BY DUTCHMAN

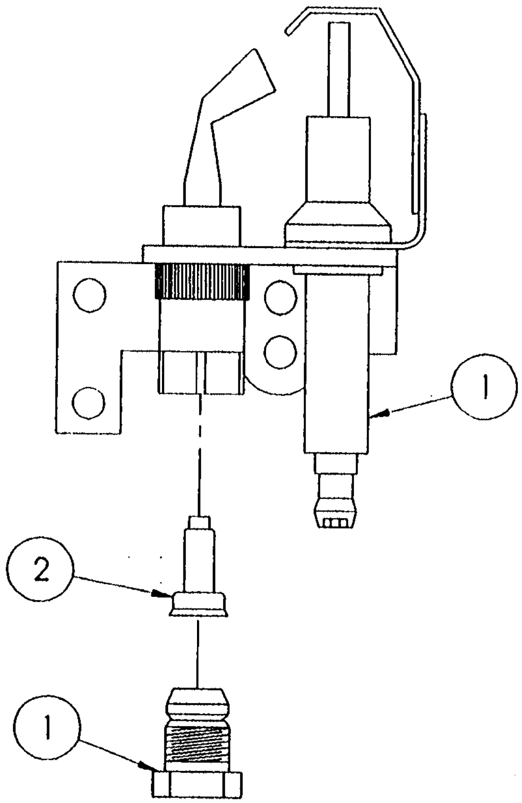
APPROVED BY

TITLE GAS VALVE ASSEMBLY SC 10, VERTICAL PRESSURE

DATE 02-21-94

DRAWING NO. B - 106689 1066891

REV. B



LET.	REVISIONS	DATE	BY

NOTE:

1.) REMOVE ORIFACE FROM
P/N 105784 AND DISCARD.

2.) INSTALL P/N 106375.

ITEM	QTY.	PART NO.	DESCRIPTION
2	1	106375	ORIFICE, PILOT, 0.012"
1	1	105784	PILOT

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 1=1	DRAWN BY DUTCHMAN	APPROVED BY -
ANGULAR ± N/A	TITLE PILOT ASSEMBLY, L.P. STEAMCRAFT 10		
CK	DATE 02-22-93	DRAWING NO. A - 1057841	REV. -

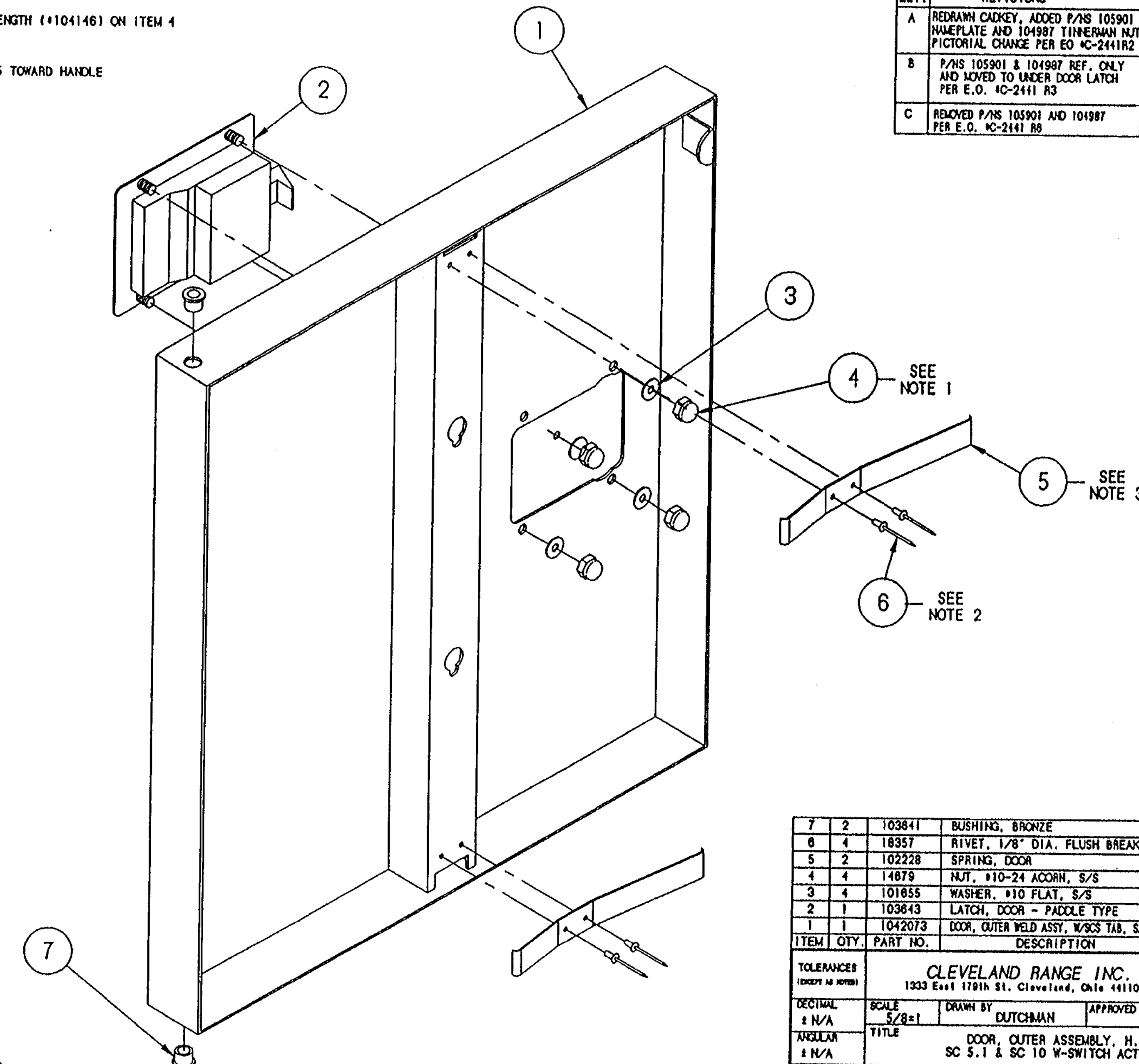
NOTES:

1.) USE LOCKTITE #222 - LOW STRENGTH (#104146) ON ITEM 4

2.) USE RTV (#00933) ON ITEM 6

3.) ORIENT LONGER SIDE OF ITEM 5 TOWARD HANDLE

LET.	REVISIONS	DATE	BY
A	REDRAWN CADKEY, ADDED P/NS 105901 NAMEPLATE AND 104987 TINNERMAN NUT, PICTORIAL CHANGE PER EO #C-2441R2	08-28-93	PJD
B	P/NS 105901 & 104987 REF. ONLY AND MOVED TO UNDER DOOR LATCH PER E.O. #C-2441 R3	08-05-93	PJD
C	REMOVED P/NS 105901 AND 104987 PER E.O. #C-2441 R8	06-07-94	PJD



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ITEM	QTY.	PART NO.	DESCRIPTION
7	2	103841	BUSHING, BRONZE
6	4	18357	RIVET, 1/8" DIA. FLUSH BREAK, S/S
5	2	102228	SPRING, DOOR
4	4	14879	NUT, #10-24 ACORN, S/S
3	4	101855	WASHER, #10 FLAT, S/S
2	1	103643	LATCH, DOOR - PADDLE TYPE
1	1	1042073	DOOR, OUTER WELD ASSY, W/SCS TAB, S/C 5.1, H.R.

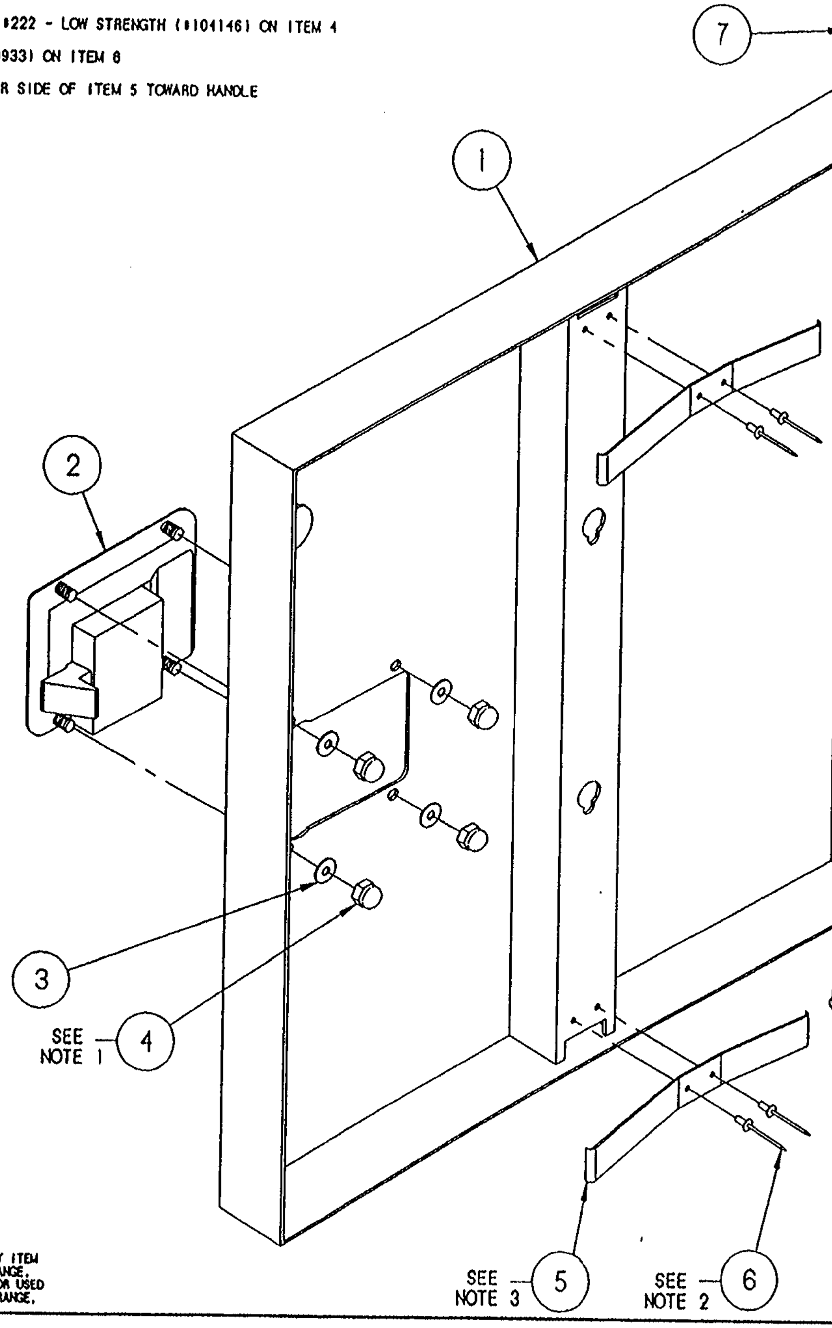
TOLERANCES (EXCEPT AS NOTED)

CLEVELAND RANGE INC.
1333 East 179th St. Cleveland, Ohio 44110-2574

DECIMAL ± N/A	SCALE 5/8=1	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE DOOR, OUTER ASSEMBLY, H.R. SC 5.1 & SC 10 W-SWITCH ACTUATOR		
CK	DATE 08-30-93	DRAWING NO. C - 1042063	REV. C

NOTES : 1.) USE LOCTITE #222 - LOW STRENGTH (#104146) ON ITEM 4
2.) USE RTV (#00933) ON ITEM 6
3.) ORIENT LONGER SIDE OF ITEM 5 TOWARD HANDLE

LET.	REVISIONS	DATE	BY
A	REDRAWN CADKEY, ADDED P/NS 105901 NAMEPLATE AND 104987 TINNERMAN NUT, PICTORIAL CHANGE PER EO #C-2441R2	06-30-93	PJD
B	P/NS 105901 & 104987 REF. ONLY PER E.O. #C-2441 R3	08-05-93	PJD
C	REMOVED P/NS 105901 AND 104987 PER E.O. #C-2441 R6	06-07-94	PJD



ITEM	QTY.	PART NO.	DESCRIPTION
7	2	103641	BUSHING, BRONZE
6	4	18357	RIVET, 1/8" DIA. FLUSH BREAK, S/S
5	2	102228	SPRING, DOOR
4	4	14679	NUT, #10-24 ACORN, S/S
3	4	101655	WASHER, #10 FLAT, S/S
2	1	103643	LATCH, DOOR - PADDLE TYPE
1	1	1042072	DOOR, OUTER WELD ASSY, W/SCS TAB, S/C 5.1, H.L

TOLERANCES (EXCEPT AS NOTED)
DECIMAL ± N/A
ANGULAR ± N/A

CLEVELAND RANGE INC.
1333 East 179th St. Cleveland, Ohio 44110-2574

SCALE 5/8=1 | DRAWN BY JTW | APPROVED BY

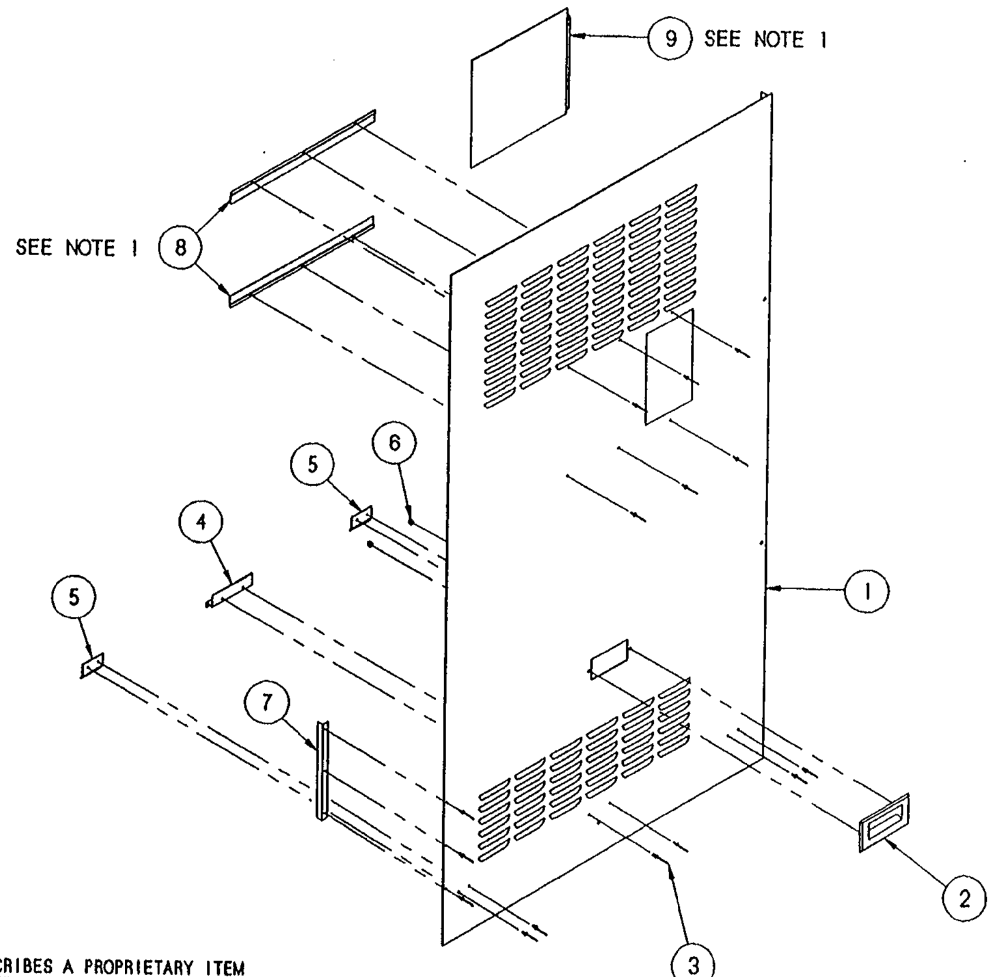
TITLE DOOR, OUTER ASSEMBLY, H.L. SC 5.1 & SC 10 W-SWITCH ACTUATOR

CK | DATE 02-04-93 | DRAWING NO. C - 1042062 | REV. C

NOTES:

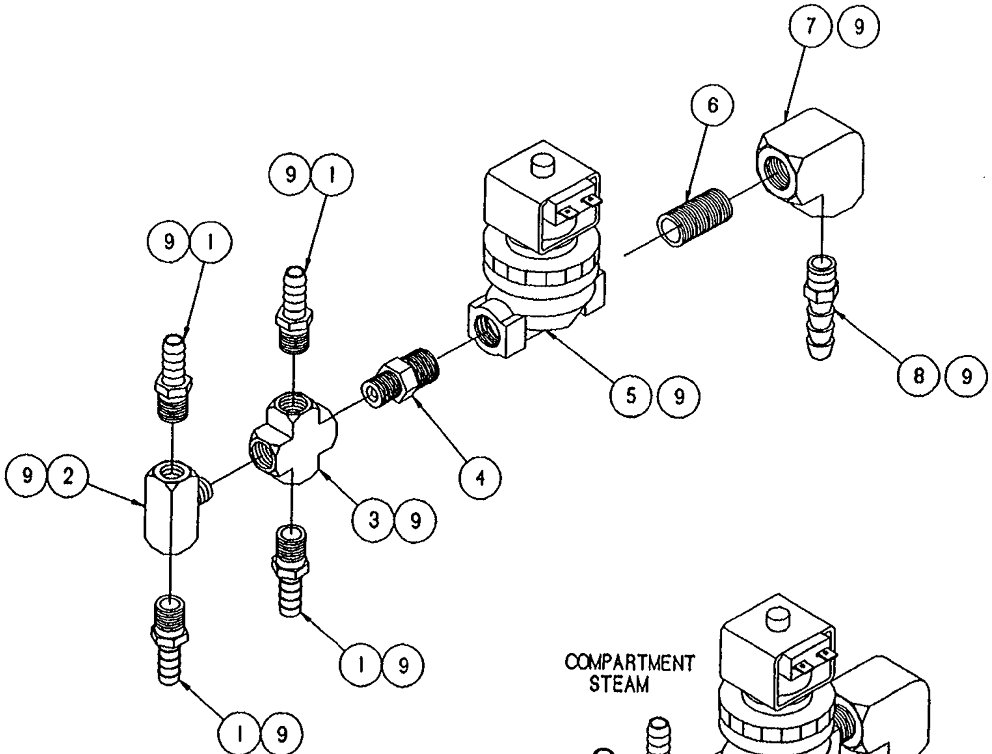
1) FIRST ATTACH BOTTOM ANGLE (P/N 106844)
NEXT ASSEMBLE DOOR (P/N 106845) INTO PLACE
THEN ATTACH TOP ANGLE ON TO SIDE PANEL

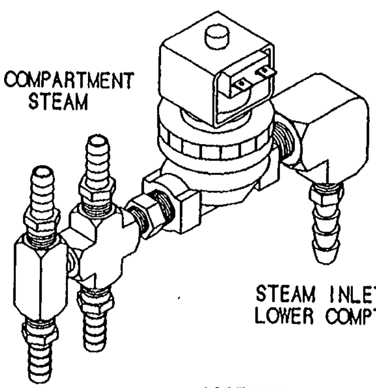
LET.	REVISIONS	DATE	BY



9	1	106845	DOOR, PANEL, RIGHT, SC 10
8	2	106844	ANGLE, DOOR, PANEL, SC 10
7	1	106143	ANGLE, REINFORCEMENT
6	2	14676	NUT, ACORN 10-32 S/S
5	2	106045	BRACKET, SIDE SUPPORT, SHT.
4	1	106044	BRACKET, SIDE SUPPORT, LG.
3	15	18357	RIVET, FLUSH 1/8 S/S
2	1	08108	HANDLE, DOOR, S/S
1	1	106682	PANEL, SIDE, RIGHT, SC 10
ITEM	QTY.	PART NO.	DESCRIPTION

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 1/8 = 1	DRAWN BY DUTCHMAN	APPROVED BY BEDFORD
ANGULAR ± N/A	TITLE PANEL, SIDE, RIGHT, ASSY. STEAMCRAFT POWER 10		
CK	DATE 03-01-94	DRAWING NO. B - 106666	REV. -





ASSEMBLED UNIT

LET.	REVISIONS	DATE	BY

ITEM	QTY.	PART NO.	DESCRIPTION
9	A/R	00934	SEALANT, RECTORSEAL
8	1	100746	FITTING, HOSE BARB, 1/2 H X 3/8 MPT
7	1	05244	ELBOW, 3/8 X 90°, BRASS
6	1	14427	NIPPLE, 3/8 X CLOSE, BRASS
5	1	22224	STEAM VALVE, SOLENOID 3/8 X 3/8
4	1	106791	FLOW RESTRICTOR
3	1	03729	CROSS, 4-WAY, 1/4", BRASS
2	1	20245	TEE, MALE BRANCH, 1/4", BRASS
1	4	105277	FITTING, HOSE BARB, 3/8 H X 1/4 NPT

TOLERANCES (EXCEPT AS NOTED)

CLEVELAND RANGE INC.
1333 East 179th St. Cleveland, Ohio 44110-2574

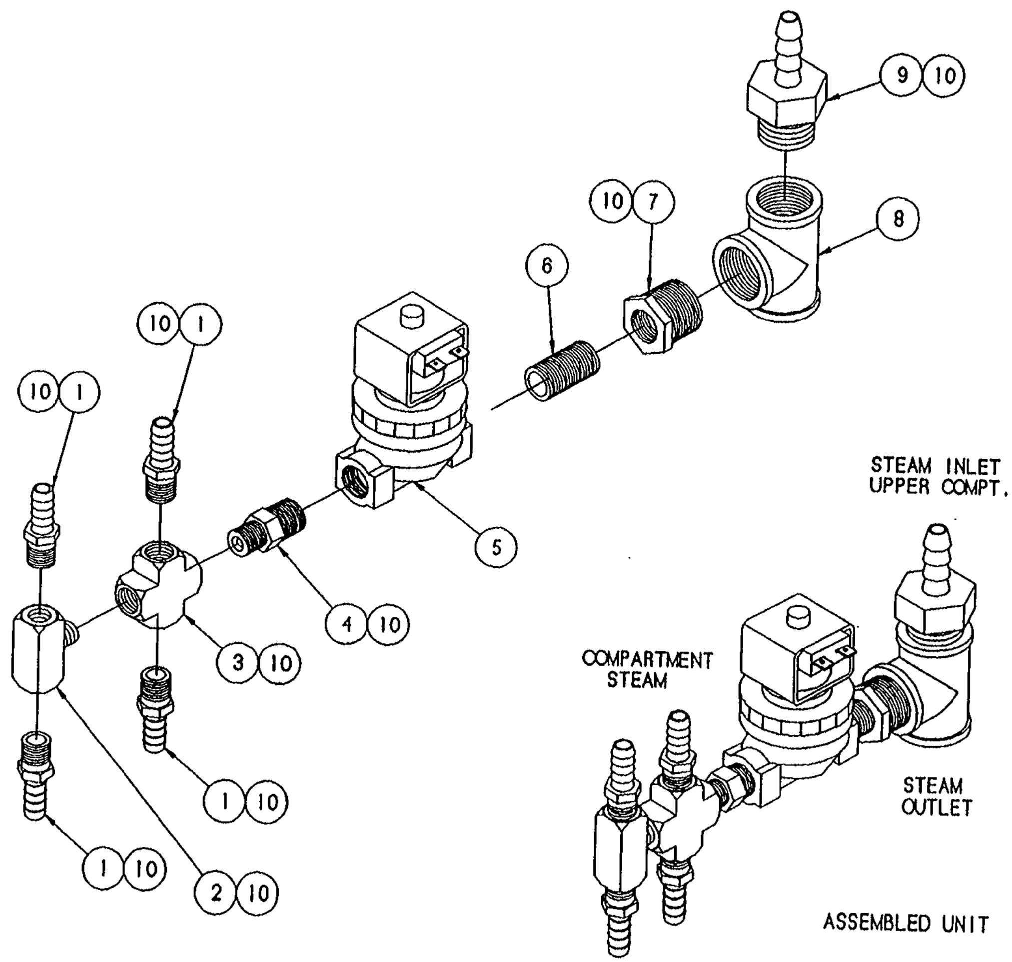
DECIMAL ± .030
ANGULAR ± 1°

SCALE 1/2 = 1 | DRAWN BY P. DUTCHMAN | APPROVED BY J.B.

TITLE STEAM INLET ASSY, UPPER COMPT. STEAMCRAFT 10, GAS, PRESSURE

CK | DATE 02-21-94 | DRAWING NO. B - 106691 | REV. -

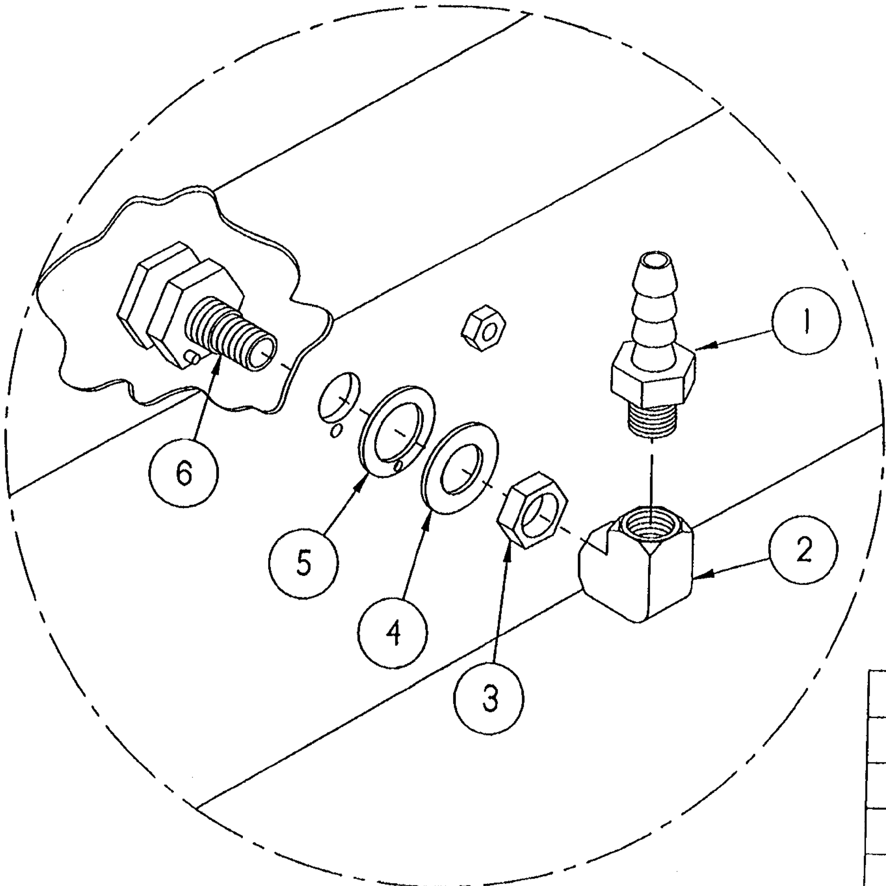
LET.	REVISIONS	DATE	BY



ASSEMBLED UNIT

ITEM	QTY.	PART NO.	DESCRIPTION
10	A/R	00934	SEALANT, RECTORSEAL
9	1	06235	FITTING, HOSE BARB, 1/2 H X 3/4 MPT
8	1	20206	TEE, 3/4", BRASS
7	1	02575	BUSHING, HEX 3/4 X 3/8, BRASS
6	1	14427	NIPPLE, 3/8 X CLOSE, BRASS
5	1	22224	STEAM VALVE, SOLENOID 3/8 X 3/8
4	1	106791	FLOW RESTRICTOR
3	1	03729	CROSS, 4-WAY, 1/4", BRASS
2	1	20245	TEE, MALE BRANCH, 1/4", BRASS
1	4	105277	FITTING, HOSE BARB, 3/8 H X 1/4 NPT

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± .030	SCALE 1/2 = 1	DRAWN BY P. DUTCHMAN	APPROVED BY J.B.
ANGULAR ± 1°	TITLE STEAM INLET ASSY, LOWER COMPT. STEAMCRAFT 10, GAS, PRESSURE		
CK	DATE 02-14-94	DRAWING NO. B - 106692	REV. -



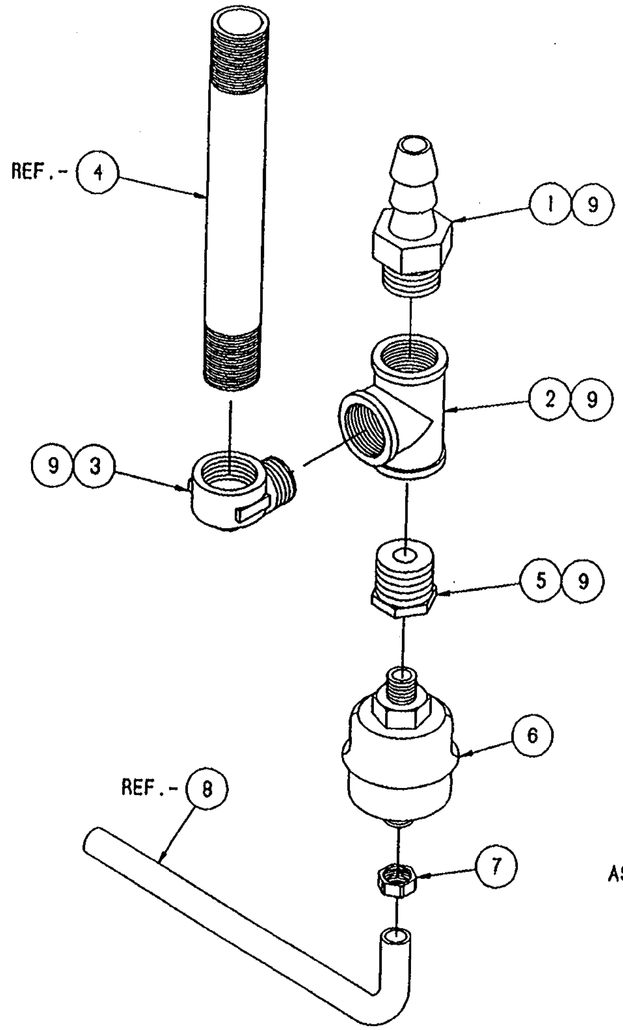
TYPICAL APPLICATION

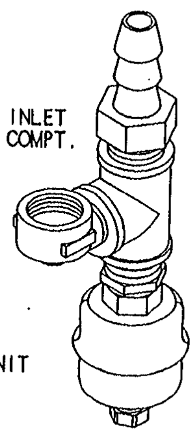
LET.	REVISIONS	DATE	BY

ITEM	QTY.	PART NO.	DESCRIPTION
6	1	104009	FITTING, ASSY, STEAM SUPPLY
5	1	104082	GASKET, STEAM INJECTOR
4	1	104232	WASHER, FLAT S/S
3	1	104081	NUT, JAM 5/8-18, BRASS
2	1	05236	ELBOW, 1/4" X 90°, BRASS
1	1	104048	FITTING, HOSE 1/2 H X 1/4 MPT

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± .030	SCALE 1/2"	DRAWN BY DUTCHMAN	APPROVED BY THOMPSON
ANGULAR ± 1°	TITLE SPRAY NOZZLE ASSEMBLY STEAMCRAFT 3.1, 5.1 AND 10		
CK	DATE 02-12-93	DRAWING NO. A - 1062301	REV. -

LET.	REVISIONS	DATE	BY





	ITEM	QTY.	PART NO.	DESCRIPTION
	9	A/R	00934	SEALANT, RECTORSEAL
REF.-	8	-	106808	TUBE, FORMED, 1/4" COPPER
	7	1	14661	NUT, COMPRESSION, 1/4 X 1/4
	6	1	101207	TRAP, THERMOSTATIC, 1/4"
	5	1	02563	BUSHING, HEX 3/4 X 1/4, BRASS
REF.-	4	-	14466	NIPPLE, 3/4" X 8" LG.
	3	1	05231	ELBOW, STREET, 3/4", BRASS
	2	1	20206	TEE, 3/4", BRASS
	1	1	06240	FITTING, HOSE BARB, 3/4 NPT X 3/4 H

TOLERANCES (EXCEPT AS NOTED)

DECIMAL ± .030

ANGULAR ± 1°

CK

CLEVELAND RANGE INC.
1333 East 179th St. Cleveland, Ohio 44110-2574

SCALE 1/2 = 1

DRAWN BY P. DUTCHMAN

APPROVED BY J.B.

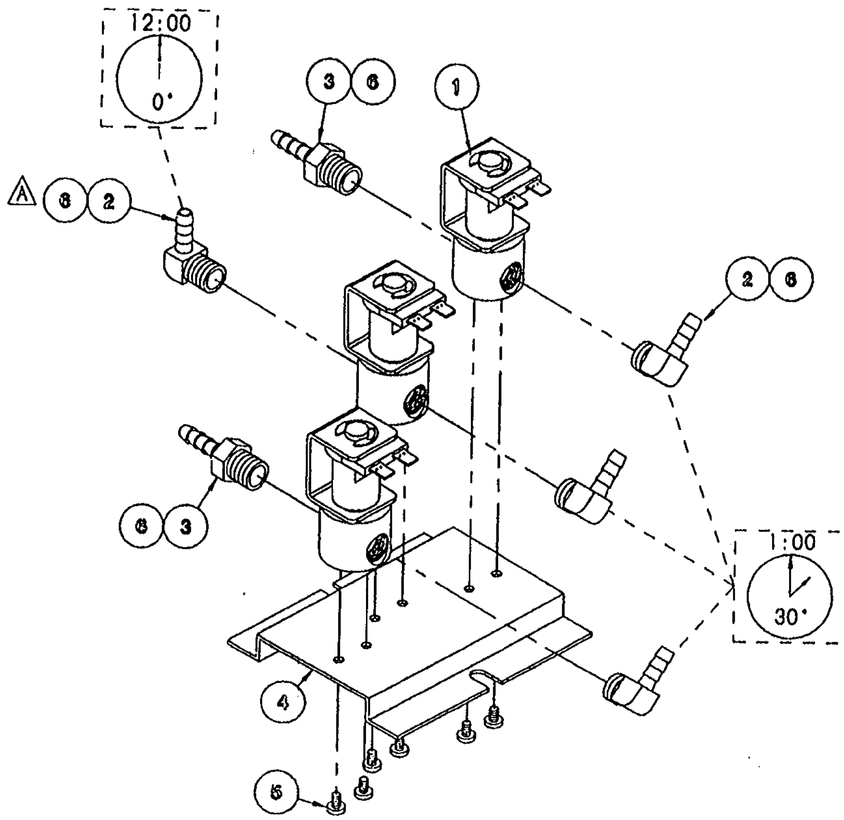
TITLE STEAM OUTLET ASSEMBLY STEAMCRAFT 10, GAS, PRESSURE

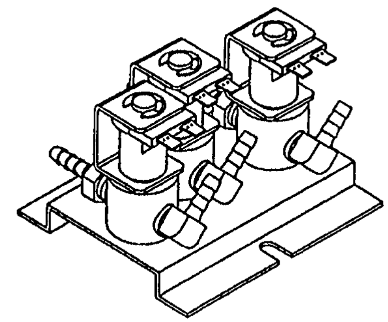
DATE 02-14-94

DRAWING NO. B - 106693

REV. -

LET.	REVISIONS	DATE	BY
A	P/N 105786 MOVED TO MIDDLE SOLENOID IN PICTORIAL PER EO #C-2304	10-28-92	PD
B	NEW VALVE REPLACING P/N 22218 (PICTORIAL ONLY) PER E.O.#C-2221 R1	01-28-93	PJD

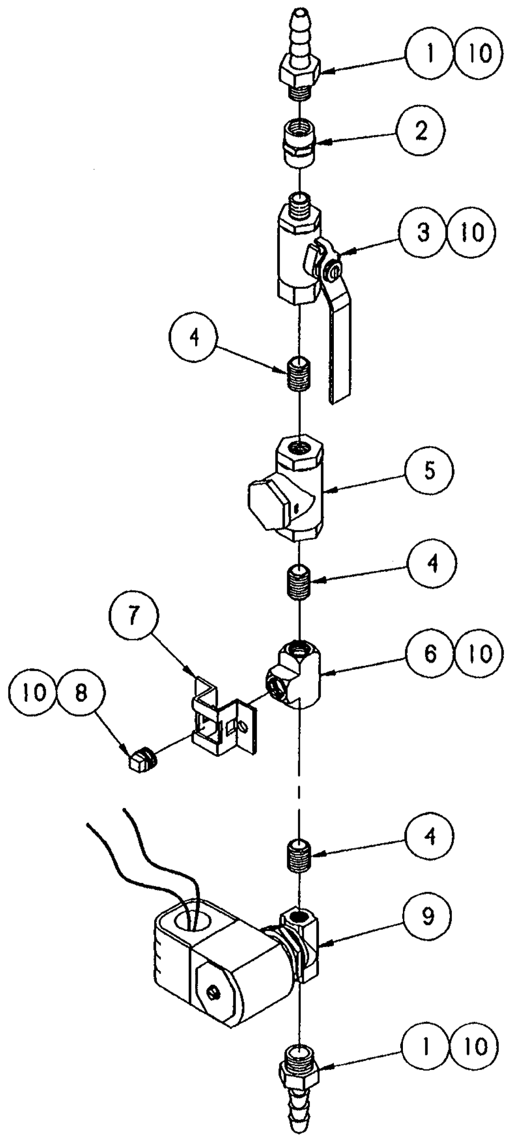


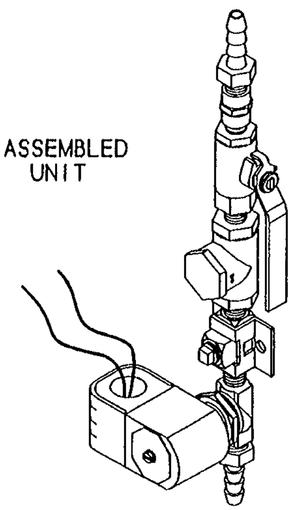


ITEM	QTY.	PART NO.	DESCRIPTION
6	A/R	00934	SEALANT, RECTORSEAL
5	6	101872	SCREW, THREAD CUTTING, #8-32 x .25
4	1	104284	BRACKET, MOUNTING, SOLENOID
3	2	104381	FITTING, HOSE BARB, 1/4 H x 1/4, ST.
2	4	105786	FITTING, HOSE BARB, 1/4 H x 1/4, 90°
1 (B)	3	22218	VALVE, SOLENOID, 1/4", N.C., 120 V

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 1/2=1	DRAWN BY S. MILEWSKI	APPROVED BY
ANGULAR ± N/A	TITLE VALVE ASSEMBLY, WATER INLET STEAMCRAFT 10, ELECTRIC		
CK	DATE 7-16-92	DRAWING NO. B - 105981	REV. B

LET.	REVISIONS	DATE	BY



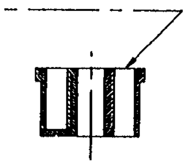


ITEM	QTY.	PART NO.	DESCRIPTION
10	A/R	00934	SEALANT, RECTORSEAL
9	1	22223	VALVE, SOLENOID, 1/4"
8	1	16619	PLUG, SQUARE HEAD, 1/4"
7	1	100064	BRACKET, MOUNTING CLAMP
6	1	20199	TEE, 1/4" BRASS
5	1	22102	VALVE, CHECK, 1/4"
4	3	14304	NIPPLE, 1/4 X CLOSE, BRASS
3	1	03276	VALVE, BALL, 1/4"
2	1	03673	COUPLING, 1/4"
1	2	104048	HOSE BARB, 1/4 MPT X 1/2 H

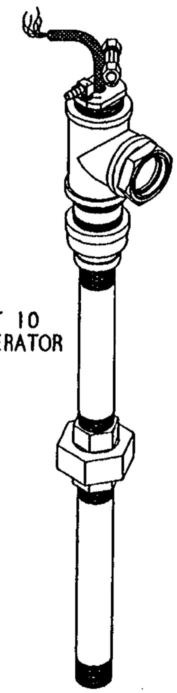
TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 1/2=1	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE PIPING ASSY, WATER FEED, SC 10 GAS, VERTICAL PRESSURE BOILER		
CK	DATE 02-14-94	DRAWING NO. C - 106702	REV. -

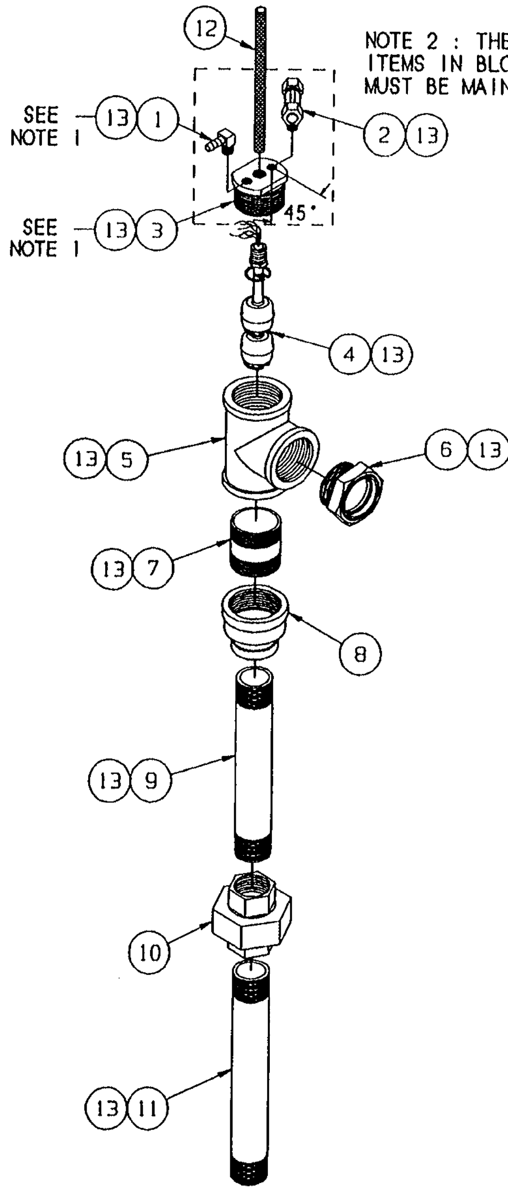
NOTE 1: (B)
COMPRESSION TEE FITTING MUST BE POSITIONED INTO THE STRAIGHT THRU HOLE OF THE FLOAT ADAPTER

NOTE 2 : THE POSITIONS OF ITEMS IN BLOCK AT LEFT MUST BE MAINTAINED AS SHOWN



AS ASSEMBLED
ON STEAMCRAFT 10
PRESSURE GENERATOR





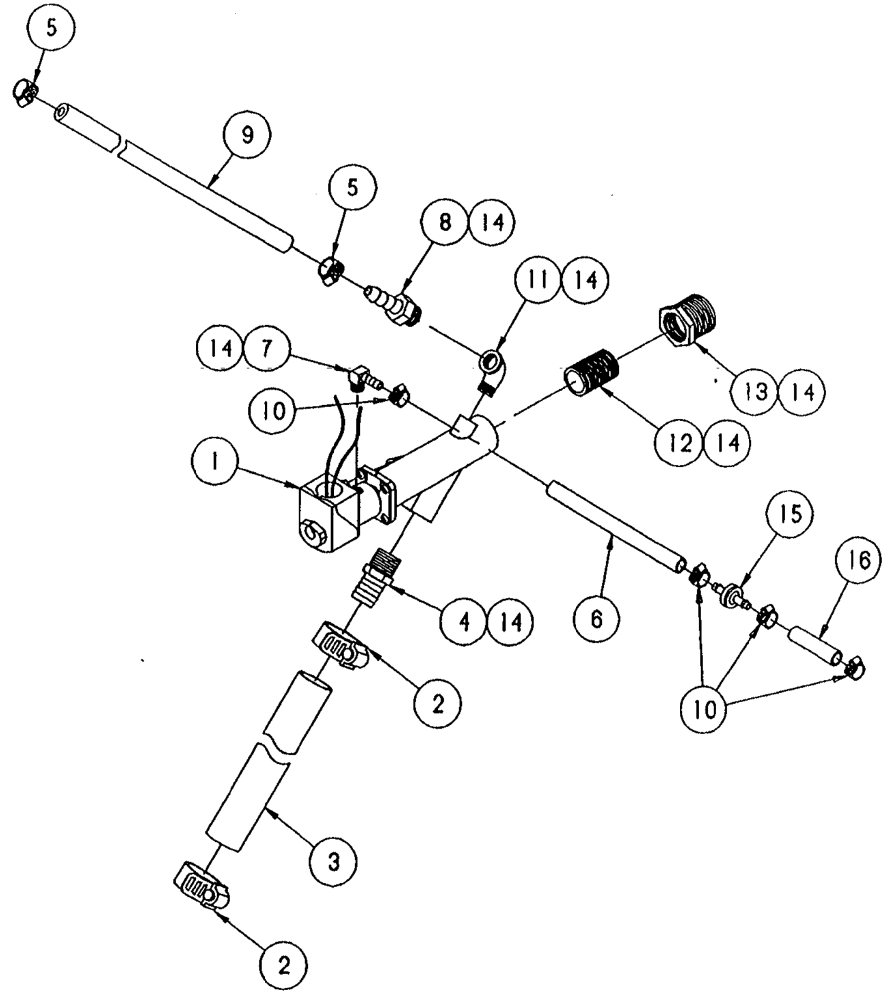
LET.	REVISIONS	DATE	BY
A	ADDED 14408, 14409, AND 21306 TO ASSEMBLY. REVISED PRIOR TO RELEASE.	4/7/94	DLD
B	CHANGED NOTE 1 (COMPRESSION TEE FITTING WAS HOSE BARB FITTING), EO C-2816.	5/18/94	DLD
C	ADDED 1070540800 PER EO C-2668	7/05/94	PJD
D	REPLACED 202211 WITH 20253 AND REPLACED 143821 WITH 14294, PER EO #C-2718.	8/26/94	DLD

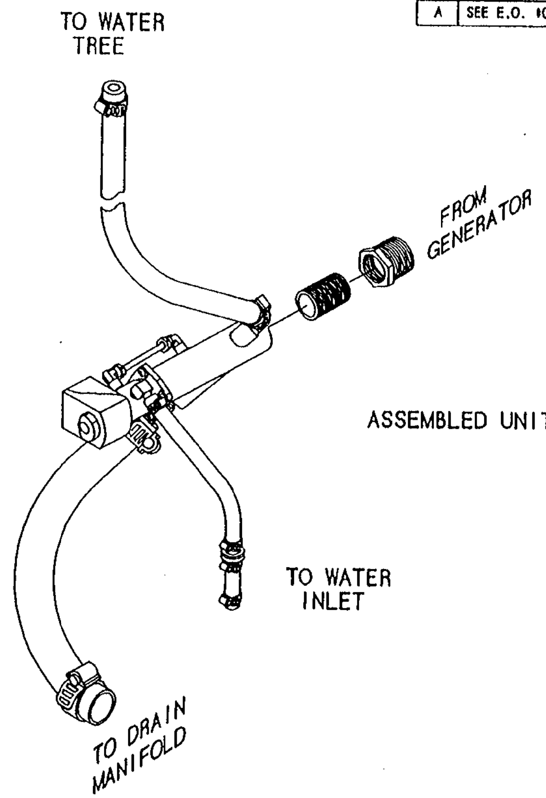
	ITEM	QTY.	PART NO.	DESCRIPTION
	13	A/R	00934	SEALANT, RECTORSEAL
(C)	12	1	1070540800	SLEEVING, FIBERGLASS BRAID .330" ID X 8" LG.
(A)	11	1	14409	NIPPLE, 1 X 10, BLACK
(A)	10	1	21306	UNION, 1", BLACK
(A)	9	1	14408	NIPPLE, 1 X 9, BLACK
	8	1	105763	COUPLING, REDUCER, 1-1/2" X 1", BLACK
(D)	7	1	14294	NIPPLE, 1-1/2" X CLOSE, BRASS
	6	1	105227	SIGHT WINDOW, 1-1/2 NPT, BRASS
(D)	5	1	20253	TEE, 1-1/2" NPT, BRASS
	4	1	105225	SWITCH, FLOAT, 3 SW. S/S
	3	1	105224	FITTING, FLOAT ADAPTER 1-1/2 BRASS
	2	1	06184	FITTING, COMP. TEE 3/8 T X 3/8 T X 1/8 MPT
	1	1	105787	FITTING, HOSE BARB 1/4 H X 1/8 MPT, 90°

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 1/4	DRAWN BY DUTCHMAN	APPROVED BY -
ANGULAR ± 1 °	TITLE FLOAT ASSY., SC10 250,000 BTU		
CK	DATE 02-14-94	DWG. NO. B - 106690	REV. D

LET.	REVISIONS	DATE	BY
A	SEE E.O. #C-2668	07-05-94	PJD

NOTE:
1.) FOR INSTALLATION OF CHECK VALVE SEE INSTRUCTION DRAWING 260AKR





	ITEM	QTY.	PART NO.	DESCRIPTION
△A	16	1	1058500200	HOSE, NT-80 1/4 X 1/2 X 2" LG.
△A	15	1	107032	CHECK VALVE, PLASTIC DIAPHRAGM
	14	A/R	00934	SEALANT, RECTORSEAL
REF.	13	-	02598	BUSHING, HEX, 1 X 3/4
REF.	12	-	14343	NIPPLE, 3/4 X CLOSE, BLACK
	11	1	05235	ELBOW, STREET, 90° X 1/4", BRASS
△A	10	4	106526	CLAMP, METAL, WORM DRIVE, 3/16 X 5/16
△A	9	1	1058494400	HOSE, NT-80, 1/2 X 3/4 X 44" LG.
	8	1	104048	FITTING, HOSE 1/2 H X 1/4 MPT, STR
	7	1	105787	FITTING, HOSE 1/4 H X 1/8 MPT, 90°
△A	6	1	1058500600	HOSE, NT-80, 1/4 X 1/2 X 6" LG.
	5	2	106219	CLAMP, METAL, WORM DRIVE, 1/4 X 25/32
	4	1	06185	FITTING, HOSE BARB 3/4 MPT X 1" H, STR.
△A	3	1	1054690650	HOSE, EPDM, BLACK 1"ID X 6.5" LG.
	2	2	03204	CLAMP, METAL, WORM DRIVE .812 X 1.500
	1	1	22244	VALVE, DRAIN, PARKER

TOLERANCES (EXCEPT AS NOTED)

CLEVELAND RANGE INC.
1333 East 179th St. Cleveland, Ohio 44110-2574

DECIMAL ± N/A

ANGULAR ± N/A

SCALE 3/8=1

DRAWN BY DUTCHMAN

APPROVED BY

TITLE VALVE ASSEMBLY, DRAIN STEAMCRAFT 10, GAS, PRESSURE

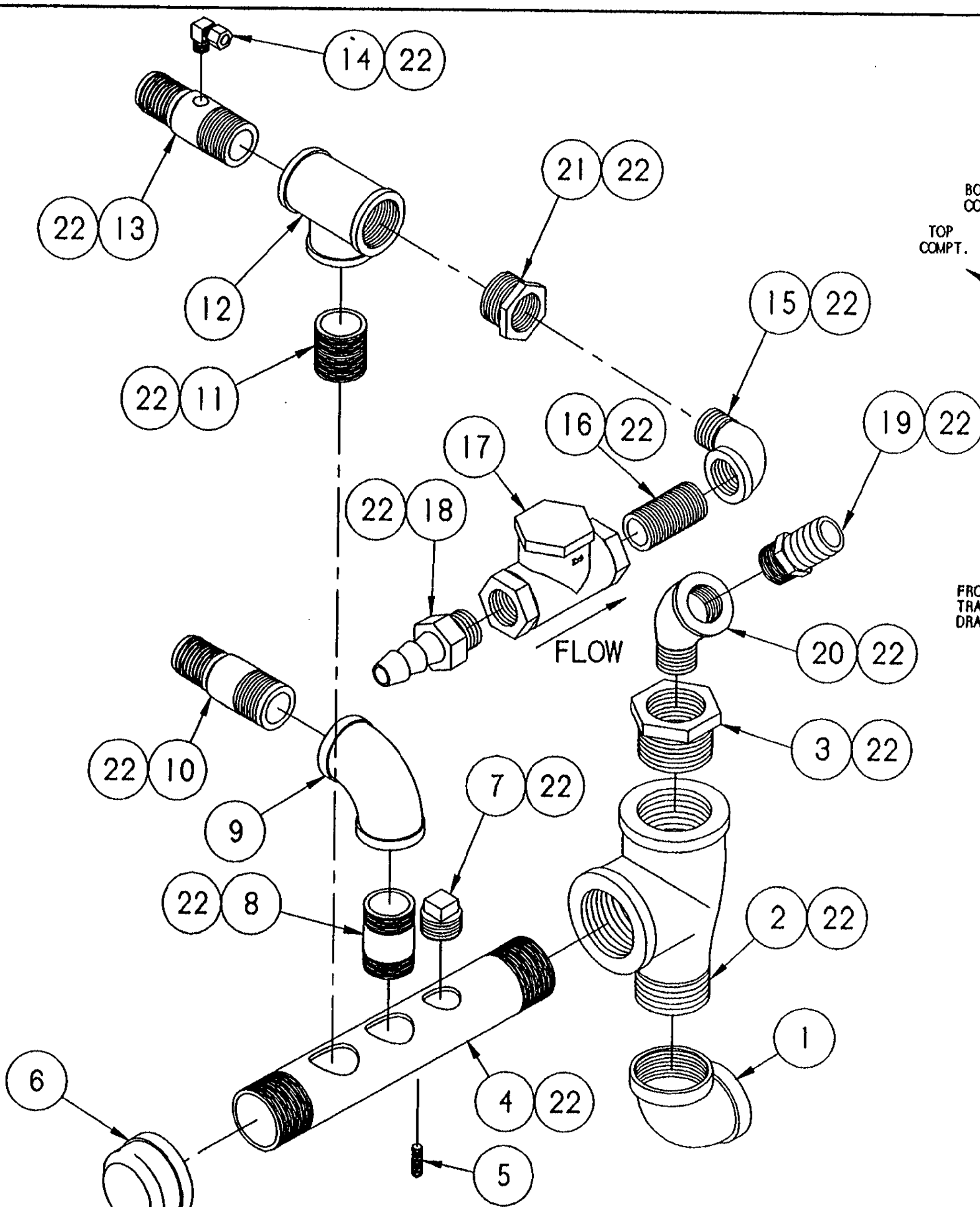
CK

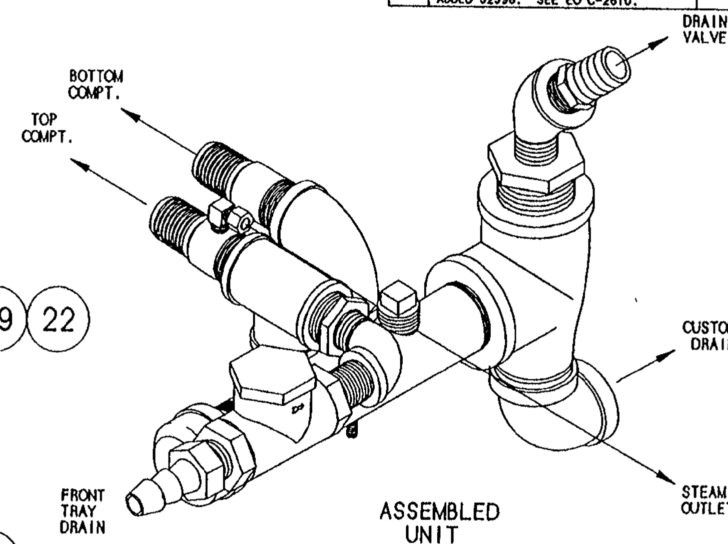
DATE 02-14-94

DRAWING NO. C - 106687

REV. A

LET.	REVISIONS	DATE	BY
A	REPLACED 06231 WITH 08192 AND ADDED 05237, SEE E.O. C-2816.	4/28/94	DLD
B	REPLACED 08237 WITH 08240, 22149 WITH 22119, 14324 WITH 14343, 05253 WITH 05259, AND 100223 WITH 20211. ADDED 02598. SEE EO C-2810.	8/8/94	DLD





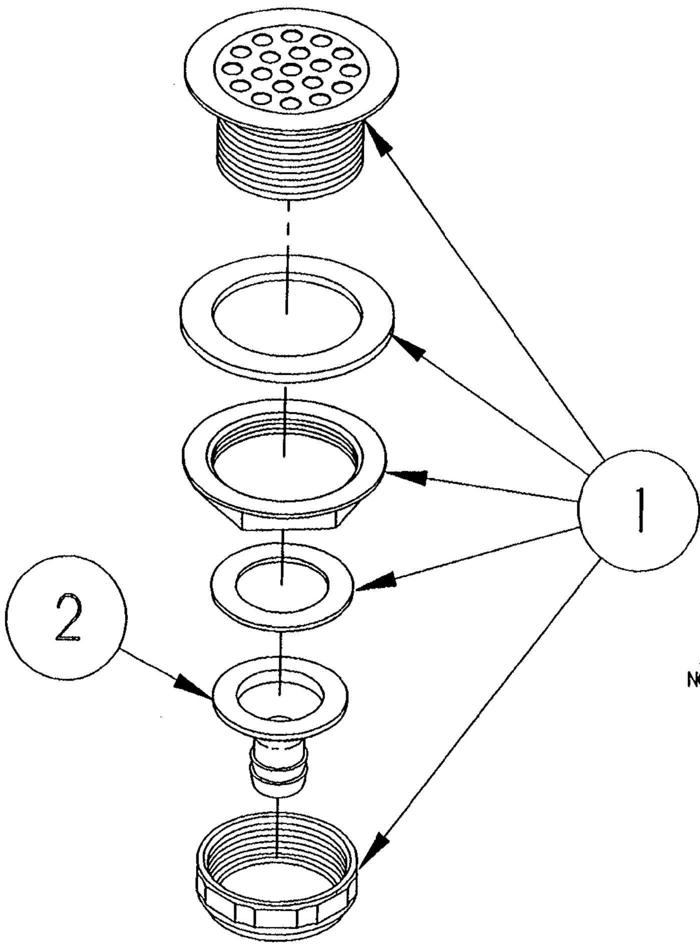
	ITEM	QTY.	PART NO.	DESCRIPTION
	22	A/R	00934	SEALANT, RECTORSEAL
B	21	1	02598	BUSHING, HEX, 1" X 3/4", BLACK
A	20	1	05237	ELBOW, 45°, STREET, 3/4", BLACK
	19	1	06185	FITTING, HOSE 3/4 X 1" HOSE, BRASS
B	18	1	08240	FITTING, HOSE BARB 3/4"H X 3/4"MPT
B	17	1	22119	VALVE, CHECK, 3/4"
B	16	1	14343	NIPPLE, 3/4" X CLOSE, BLACK
B	15	1	05259	ELBOW, STREET, 3/4" X 90°, BLACK
A	14	1	08192	FITTING, COMP. 1/4 T X 1/8 MPT, 90°
	13	1	585191	FITTING, HOSE-DRAIN MANIFOLD W/ 1/8 HOLE
B	12	1	20211	TEE, 1", BLACK
	11	1	14369	NIPPLE, 1 X CLOSE, BLACK
	10	1	14481	FITTING, HOSE BARB TO MNPT 1" X 1"
	9	1	05265	ELBOW, 1" X 90°
	8	1	14372	NIPPLE, 1" X 2-1/2" LG.
	7	1	16608	PLUG, SQUARE HEAD, 3/4", BLACK
	6	1	03058	CAP, PIPE, 1-1/2" MALLEABLE IRON
SEE NOTE	5	1	19917	STUD, WELD 1/4-20 X 7/8, S/S
	4	1	13252	MANIFOLD, DRAIN 1-1/2 NPT, BLACK
	3	1	02578	BUSHING, REDUCING, 1-1/2 X 3/4
	2	1	20220	TEE, MALE RUN, 1-1/2", BLACK
	1	1	05238	ELBOW, 1-1/2 NPT X 90°, BLACK

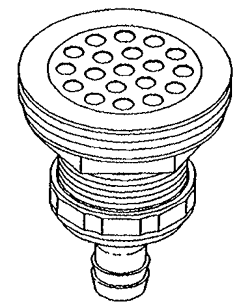
NOTE:

SEE DRAWING 260AHV FOR STUD LOCATION INSTRUCTIONS

TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 1/2"=1"	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE DRAIN, MANIFOLD ASSEMBLY STEAMCRAFT 10, GAS, PRESSURE		
CK	DATE 10-13-93	DRAWING NO. C - 106[illegible]	REV. B

NOTE:
REMOVE AND DISCARD PLASTIC TAIL PIECE;
REPLACE WITH ITEM 2





LET.	REVISIONS	DATE	BY

SEE NOTE

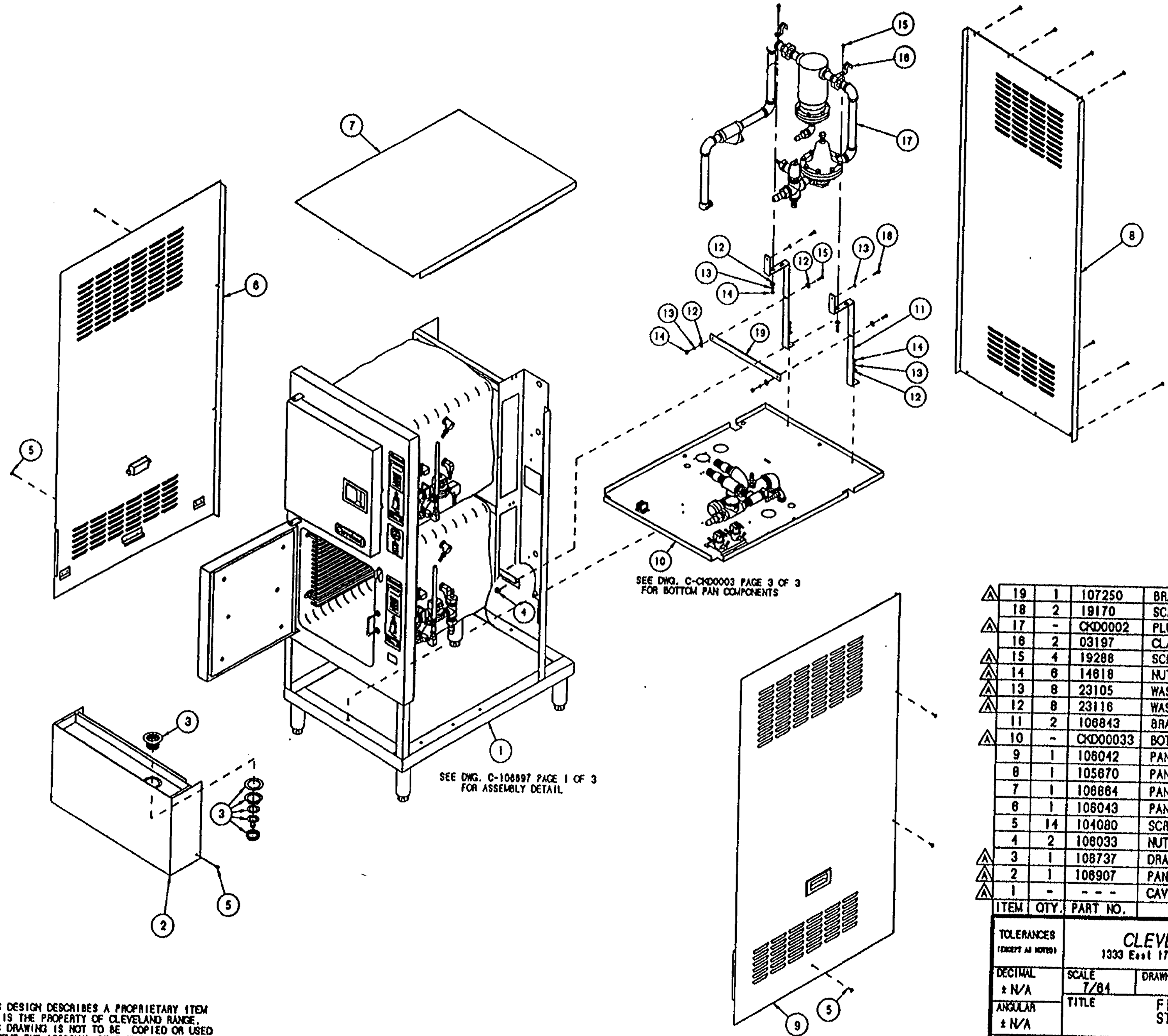
ITEM	QTY.	PART NO	DESCRIPTION
2	1	106736	TAIL PIECE, DRAIN
1	1	105280	DRAIN, FITTING HOSE ADAPTER

TOLERANCES (EXCEPT AS NOTED)

CLEVELAND RANGE INC.
1333 East 179th St. Cleveland, Ohio 44110-2574

DECIMAL ± N/A	SCALE 1/2"	DRAWN BY ATHERTON	APPROVED BY
ANGULAR ± N/A	TITLE DRAIN ASSEMBLY TABLETOPS AND STEAMCRAFT 10		
CK	DATE 01-06-92	DRAWING NO. A-106737	REV. -

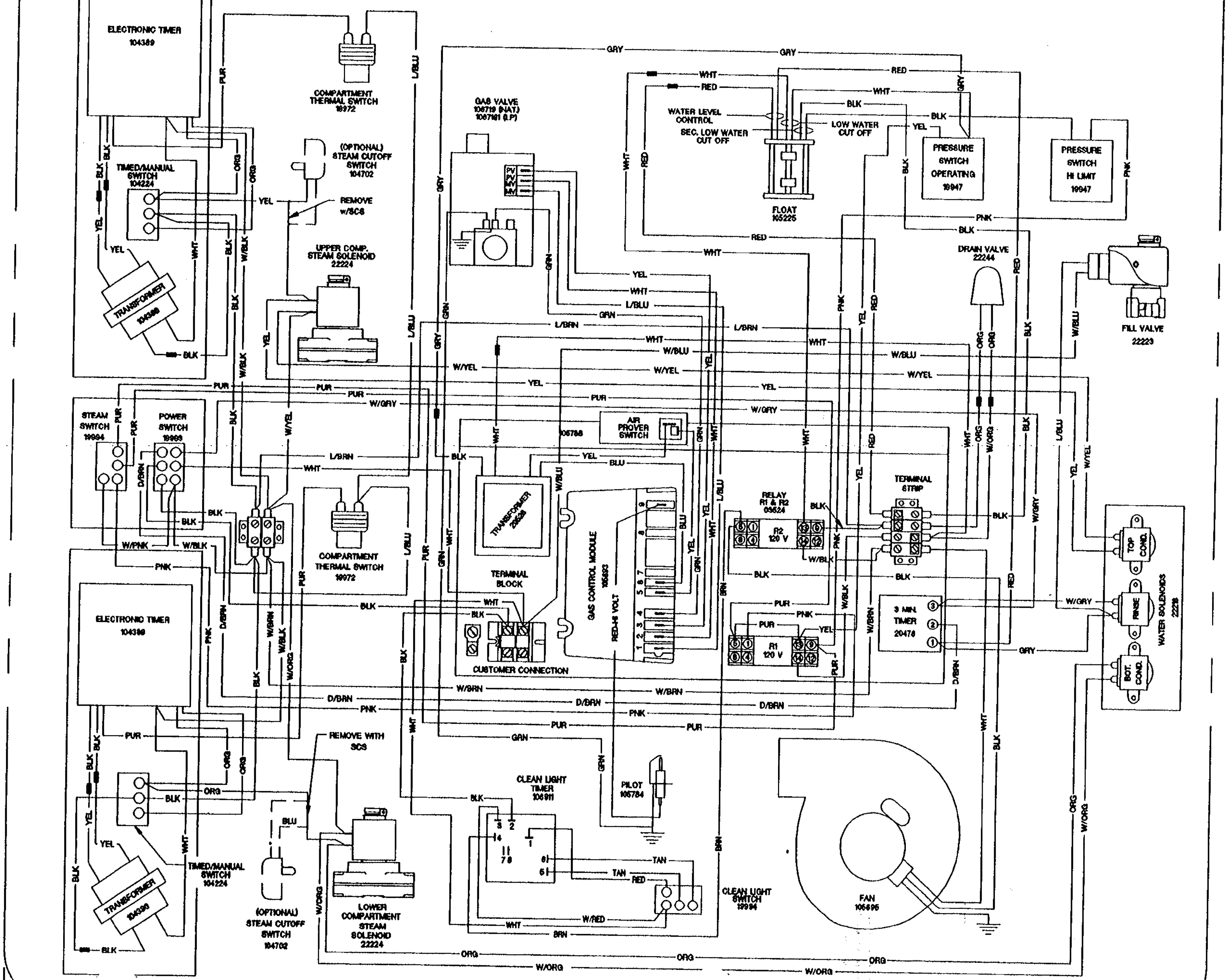
LET.	REVISIONS	E	BY
	SEE CKD0003 PAGE 1 OF 3		



	ITEM	QTY.	PART NO.	DESCRIPTION
A	19	1	107250	BRACKET, SUPPORT, PLUMBING
	18	2	19170	SCREW, HEX, 1/4-20 X 5/8
A	17	-	CKD0002	PLUMBING, SC 10, DIRECT CONNECT
	16	2	03197	CLAMP, RIGID 3/4" HOLE
A	15	4	19288	SCREW, HEX, 1/4-20 X 3/4
A	14	6	14618	NUT, HEX 1/4-20
A	13	8	23105	WASHER, LOCK, 1/4"
A	12	8	23116	WASHER, FLAT 1/4 X 5/8 X .085
	11	2	106843	BRACKET, SUPPORT, SC 10 DC
A	10	-	CKD00033	BOTTOM PAN COMPONENTS ASSEMBLY
	9	1	106042	PANEL ASSY, SIDE, RIGHT, SC 10
	8	1	105670	PANEL, BACK, SC 10
	7	1	106864	PANEL, TOP, SC 10 ELECTRIC
	6	1	106043	PANEL ASSY, SIDE, LEFT, SC 10
	5	14	104080	SCREW, TRUSS HD. SHT. MET. #8 X 1/2
	4	2	106033	NUT, TINNERMAN
A	3	1	106737	DRAIN ASSY, TABLETOPS AND SC 10
A	2	1	106907	PANEL ASSY, LOWER FRONT, 4"
A	1	-	- - -	CAVITY ASSEMBLY WITH DOORS, SC 10

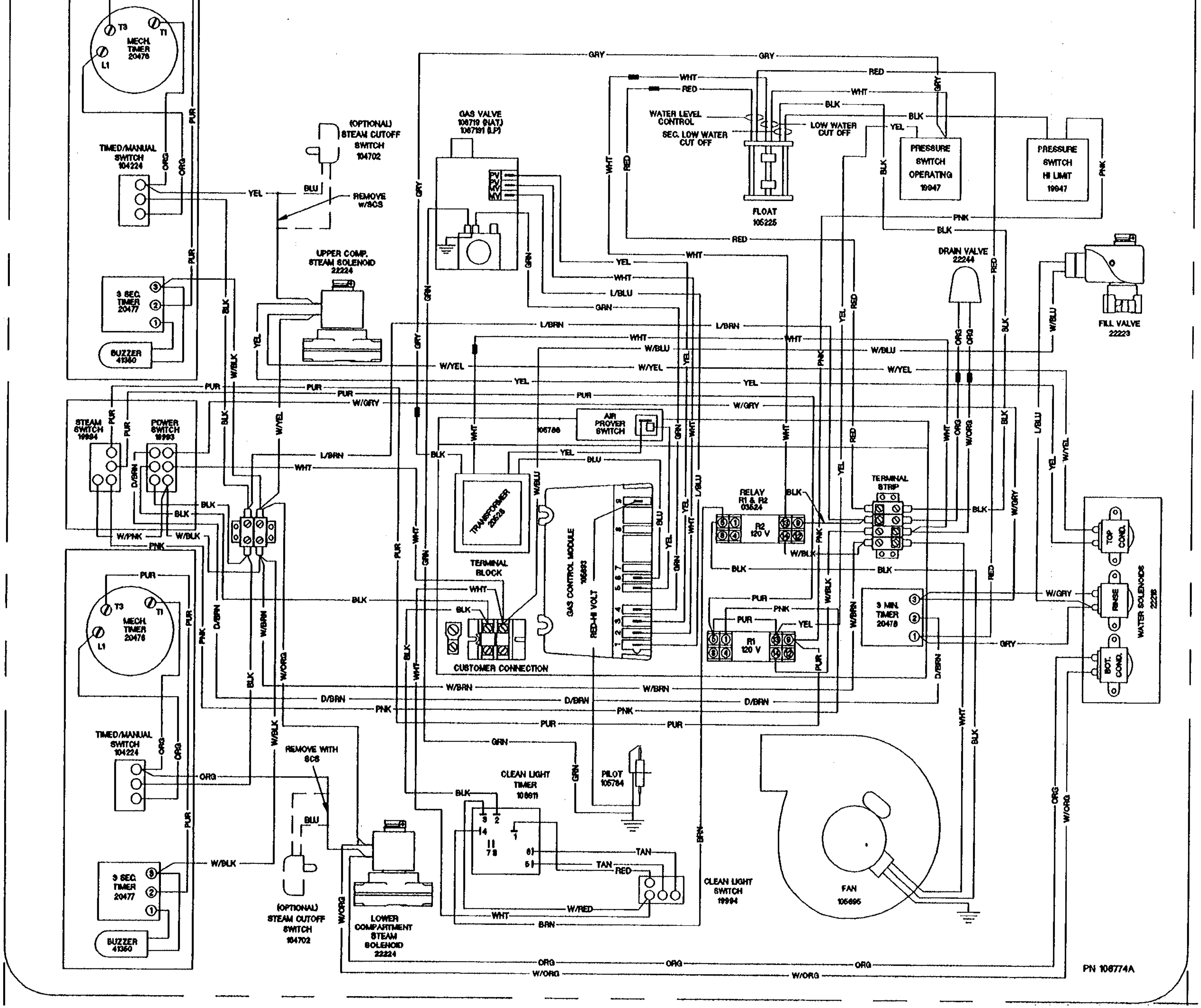
TOLERANCES (EXCEPT AS NOTED)	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 7/64	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE	FINAL ASSEMBLY, H.L. STEAMCRAFT POWER 10 DIRECT CONNECT	
CK	DATE 03-17-94	DRAWING NO. C - CKD0003 PAGE 2 OF 3	REV. A

STEAMCRAFT 10, PRESSURE - GAS
ELECTRONIC TIMER

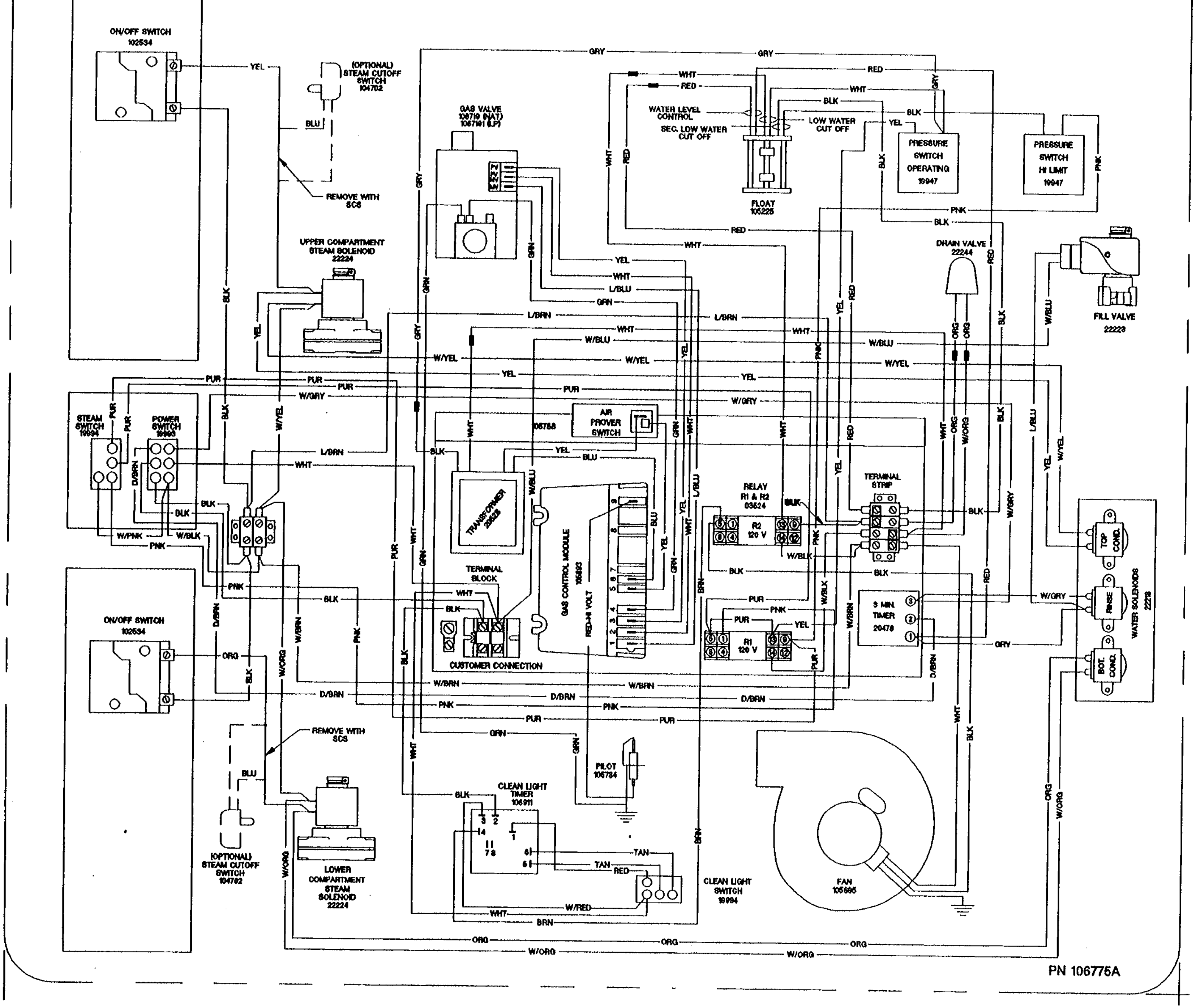


PN 106773A

STEAMCRAFT 10, PRESSURE - GAS
MECHANICAL TIMER



STEAMCRAFT 10, PRESSURE - GAS
ON/OFF SWITCH



CLEVELAND RANGE
SEQUENCE OF OPERATIONS
24CGP10
Mechanical Timer

1. To turn the unit on, depress the red on/off rocker switch.
    - 115 VAC is sent to normally open blowdown valve closing it.
    - 115 VAC is sent to the Timed/Manual switches for the cabinets.
    - 115 VAC is sent to L1 and L2 of the water level board.

2. With the water level board energized and no water in the boiler
    - 115 VAC is sent from the IND terminal to the low water indicator light on the console.
    - 115 VAC is sent from the WF terminal to the fill solenoid after a 5-second delay.
    - The fill solenoid opens and the boiler fills.
    - The water fills to the secondary low water cutoff probe in the boiler, shorting it to ground
        - 115 VAC is removed from the IND terminal and the low water indicator light is de-energized.
        - 115 VAC is sent from the HTR terminal through the normally closed contact of the high-pressure switch to the amber reset switch,
        - 115 VAC is sent through the normally closed R1 contacts to energize the amber light.
            - If the low water cut off probe is not grounded for 20 seconds, 115 VAC is removed from HTR and sent back to IND energizing the low water light.

3. When the momentary amber switch is depressed 115 VAC is sent to the R1 relay closing it.
    - The normally closed R1 contacts open de-energizing the amber light.
    - The relay latches through the normally closed contacts of R1
        - If either the high-pressure switch (set at 15 PSI) or the low probe circuit on the water level board opens, then the latch circuit opens.
        - When the water level or pressure returns to a safe condition the amber light will energize and the process may begin again.
4. The R1 relay contacts close sending 115 VAC through the normally closed operating pressure switch to the 24 VAC transformer.
    - 24VAC is sent through the low water cutoff float switch to the R2 relay coil.
        - The normally open R2 contacts close and send 115 VAC to the fan.
        - The fan turns and the air prover switch is closed.
        - 24 VAC is sent through the air prover switch to the ignition module.
            - With 24 VAC to the ignition module 24VAC is sent to the pilot coil on the gas valve.
                - A spark is generated at the igniter.
                - The pilot valve is energized and opens.
                - Gas is sent to the pilot burner.
                - The gas is ignited and the flame rectifies the AC current.

    - When the ignition module reads 1.0 micro amps DC current through the ground wire the coil to the main gas valve is energized
    - The pilot flame lights the main burner.
    - If the module does not read 1.0 micro amps DC in 90 seconds it will shut down the main burner and make one more try before locking out.

5. The water in the boiler is heated to steam.
    - As steam is generated and pressure builds the air is pushed out through the steamtrap on the lower steam manifold.
    - Steam goes through the steam trap heating it to 192 degrees closing the steam trap.
6. Pressure builds in the boiler to the set point of 8-10 PSI.
    - The operating pressure switch opens and the heat circuit is de-energized.
7. With the timed/manual switch in the timed position and time on the timer.
    - 115 VAC is sent to the steam solenoid and steam is sent to the cooking cabinet. There the steam is directed around the product.
    - 115 VAC is sent to the “Pause” or “Sure Cook” light.
    - 115 VAC is sent to the normally open contacts of the compartment thermostat.
        - The normally open contacts of the compartment thermostat close when the compartment temperature reaches 193 degrees
        - 115 VAC is sent to the timer motor and the timer begins to count down.
        - 115 VAC is sent to the condensate solenoid and cold water is sent to the condensate spray nozzle pulling the steam down the drain.
    - When the steam pressure drops below the operating set point the heat circuit is energized and the heat process begins again.

8. Water continues to fill the boiler until the operational water float is lifted and closes, shorting the HI terminal on the water level board to the C terminal. .
    - When the HI terminal is shorted to the C terminal the WF terminal on the water level board is de-energized.
    - If the water level drops below the operational water float switch for more than 5 seconds the WF terminal is energized and the water fill circuit begins again.

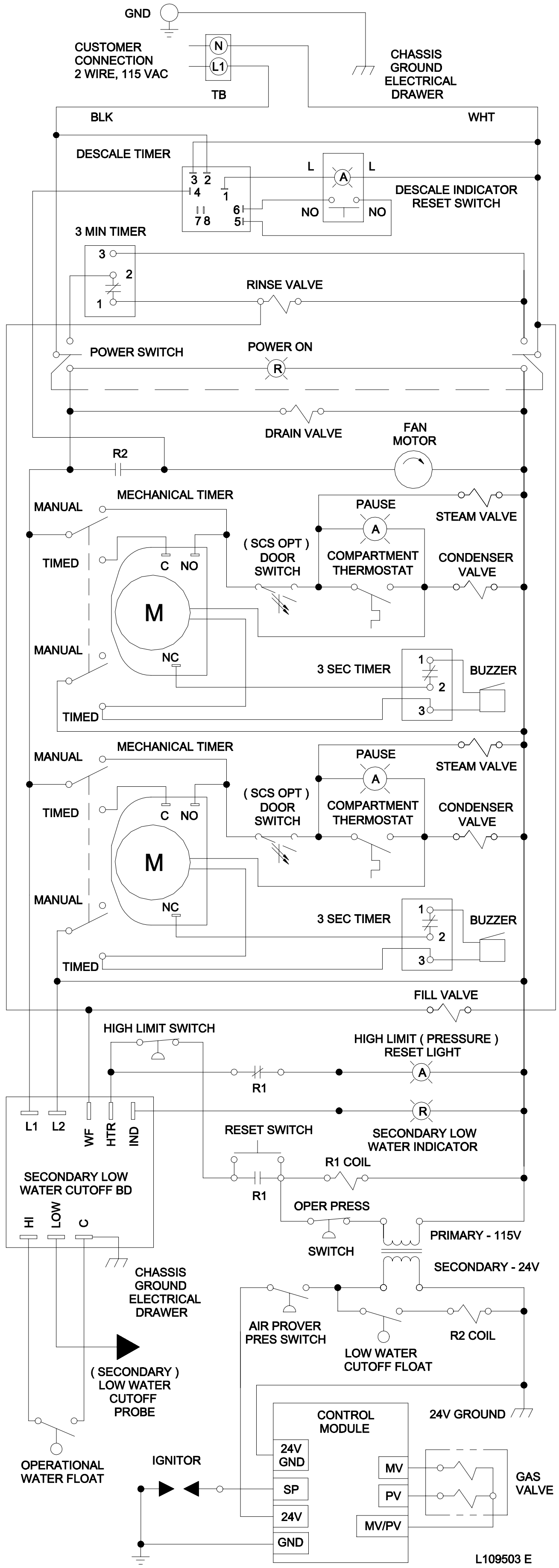
9. When the mechanical timer counts down:
    - 115 VAC is removed from the condensate circuit.
    - 115 VAC is removed from the steam solenoid.
    - 115 VAC is sent to the 3-second timer
        - 115 VAC is sent from the 3-second timer to the buzzer for 3 seconds.

10. With the timed/manual switch in the Manual position
    - 115 VAC is sent to the steam solenoid and steam is sent to the cooking cabinet. There the steam is directed around the product.
    - 115 VAC is sent to the “Pause” or “Sure Cook” light.
    - 115 VAC is sent to the normally open contacts of the compartment thermostat.
        - The normally open contacts of the compartment thermostat close when the compartment temperature reaches 193 degrees

        - 115 VAC is sent to the condensate solenoid and cold water is sent to the condensate spray nozzle pulling the steam down the drain.
    - When the steam pressure drops below the operating set point the heat circuit is energized and the heat process begins again.

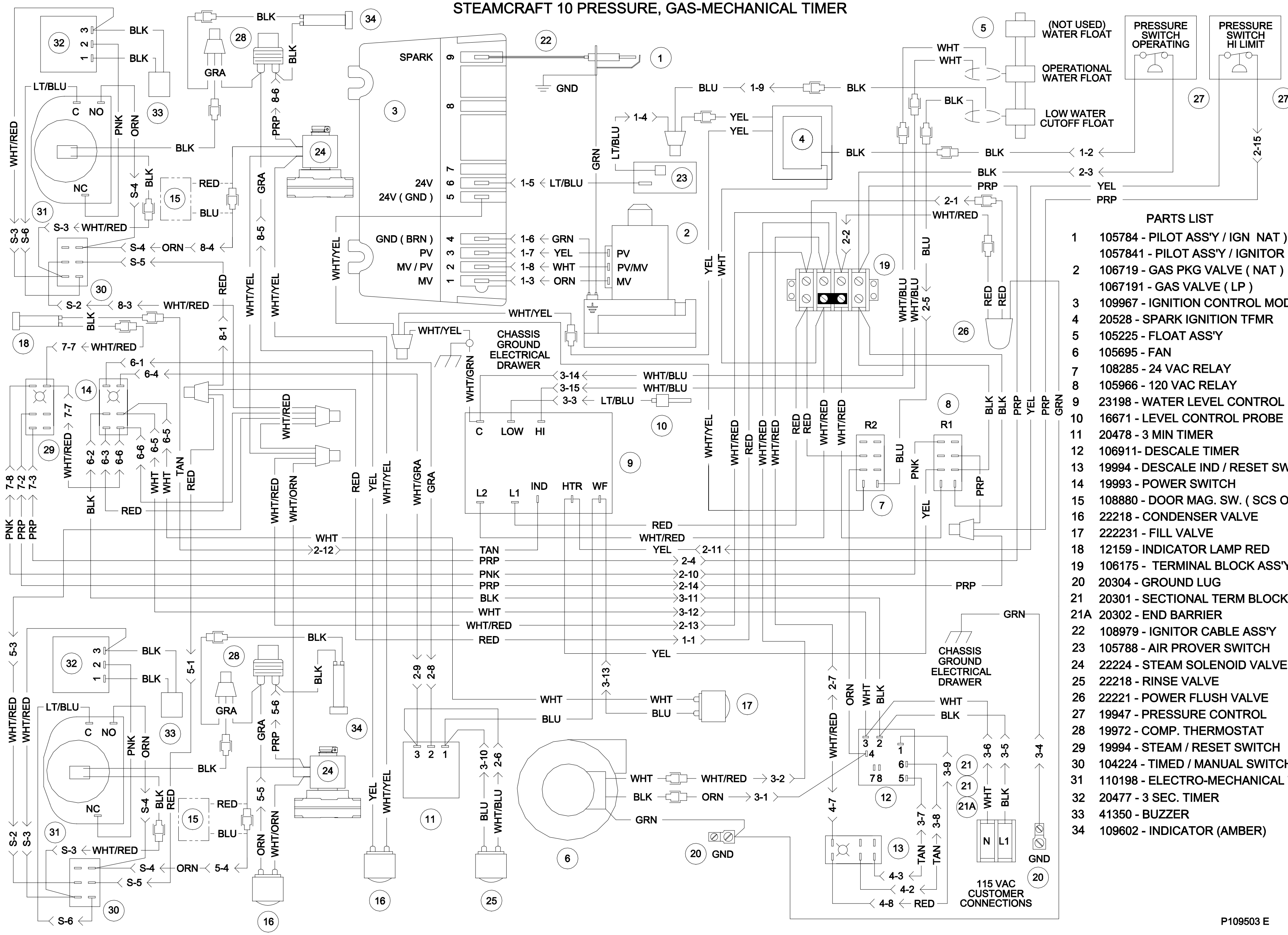
11. The unit is turned off by depressing the red rocker switch.
    - 115 VAC is removed from the timing and heat circuits.
    - 115 VAC is removed from the normally open blowdown valve allowing the unit to drain.
    - 115 VAC is sent to the 3-minute timer.
        - The three-minute timer will energize the fill and rinse solenoids for 3 minutes while the steamer drains assisting and cooling the blowdown. .

STEAMCRAFT 10 PRESSURE, GAS - MECHANICAL TIMER



L109503 E

STEAMCRAFT 10 PRESSURE, GAS-MECHANICAL TIMER



PARTS LIST

1	105784 - PILOT ASS'Y / IGN NAT)
	1057841 - PILOT ASS'Y / IGNITOR (LP)
2	106719 - GAS PKG VALVE (NAT)
	1067191 - GAS VALVE (LP)
3	109967 - IGNITION CONTROL MODULE
4	20528 - SPARK IGNITION TFMR
5	105225 - FLOAT ASS'Y
6	105695 - FAN
7	108285 - 24 VAC RELAY
8	105966 - 120 VAC RELAY
9	23198 - WATER LEVEL CONTROL BD
10	16671 - LEVEL CONTROL PROBE
11	20478 - 3 MIN TIMER
12	106911- DESCALE TIMER
13	19994 - DESCALE IND / RESET SW
14	19993 - POWER SWITCH
15	108880 - DOOR MAG. SW. (SCS OPT.)
16	22218 - CONDENSER VALVE
17	222231 - FILL VALVE
18	12159 - INDICATOR LAMP RED
19	106175 - TERMINAL BLOCK ASS'Y
20	20304 - GROUND LUG
21	20301 - SECTIONAL TERM BLOCK
21A	20302 - END BARRIER
22	108979 - IGNITOR CABLE ASS'Y
23	105788 - AIR PROVER SWITCH
24	22224 - STEAM SOLENOID VALVE
25	22218 - RINSE VALVE
26	22221 - POWER FLUSH VALVE
27	19947 - PRESSURE CONTROL
28	19972 - COMP. THERMOSTAT
29	19994 - STEAM / RESET SWITCH
30	104224 - TIMED / MANUAL SWITCH
31	110198 - ELECTRO-MECHANICAL TIMER
32	20477 - 3 SEC. TIMER
33	41350 - BUZZER
34	109602 - INDICATOR (AMBER)

P109503 E

CLEVELAND RANGE
SEQUENCE OF OPERATIONS
24 CGP 10
Electronic Timer

1. To turn the unit on, depress the red on/off rocker switch.
    - 115 VAC is sent to normally open blowdown valve closing it.
    - 115 VAC is sent to the 24 VAC transformer to the timer.
        - 24 VAC is sent to the timer.
    - 115 VAC is sent to the Timed/Manual switches for the cabinets.
    - 115 VAC is sent to L1 and L2 of the water level board.

2. With the water level board energized and no water in the boiler
    - 115 VAC is sent from the IND terminal to the low water indicator light on the console.
    - 115 VAC is sent from the WF terminal to the fill solenoid after a 5-second delay.
    - The fill solenoid opens and the boiler fills.
    - The water fills to the secondary low water cutoff probe in the boiler, shorting it to ground
        - 115 VAC is removed from the IND terminal and the low water indicator light is de-energized.
        - 115 VAC is sent from the HTR terminal through the normally closed contact of the high-pressure switch to the amber reset switch,
        - 115 VAC is sent through the normally closed R1 contacts to energize the amber light.
            - If the low water cut off probe is not grounded for 20 seconds, 115 VAC is removed from HTR and sent back to IND energizing the low water light.

3. When the momentary amber switch is depressed 115 VAC is sent to the R1 relay closing it.
    - The normally closed R1 contacts open de-energizing the amber light.
    - The relay latches through the normally closed contacts of R1
        - If either the high-pressure switch (set at 15 PSI) or the low probe circuit on the water level board opens, then the latch circuit opens.
        - When the water level or pressure returns to a safe condition the amber light will energize and the process may begin again.
4. The R1 relay contacts close sending 115 VAC through the normally closed operating pressure switch to the 24 VAC transformer.
    - 24VAC is sent through the low water cutoff float switch to the R2 relay coil.
        - The normally open R2 contacts close and send 115 VAC to the fan.
        - The fan turns and the air prover switch is closed.
        - 24 VAC is sent through the air prover switch to the ignition module.
            - With 24 VAC to the ignition module 24VAC is sent to the pilot coil on the gas valve.
                - A spark is generated at the igniter.
                - The pilot valve is energized and opens.

- Gas is sent to the pilot burner.
- The gas is ignited and the flame rectifies the AC current.
- When the ignition module reads 1.0 micro amps DC current through the ground wire the coil to the main gas valve is energized
- The pilot flame lights the main burner.
- If the module does not read 1.0 micro amps DC in 90 seconds it will shut down the main burner and make one more try before locking out.

5. The water in the boiler is heated to steam.
   - As steam is generated and pressure builds the air is pushed out through the steamtrap on the lower steam manifold.
   - Steam goes through the steam trap heating it to 192 degrees closing the steam trap.

6. Pressure builds in the boiler to the set point of 8-10 PSI.
   - The operating pressure switch opens and the heat circuit is de-energized.

7. With the timed/manual switch in the timed position (with time on the timer) or in the manual position:
   - The timer display alternates between "PAUS" and the time set.
   - 115 VAC is sent to the steam solenoid and steam is sent to the cooking cabinet. There the steam is directed around the product and pulled down the drain by the condensate spray.
   - When the cooking compartment reaches 193 degrees internally the thermal switch closes and the timer begins to count down.
     - 115 VAC is sent to the condensate solenoid. The condensate solenoid sends cold water to the condensate spray nozzle pulling the steam down the drain.
   - When the pressure drops below the set point the heat circuit is energized and the heat process begins again.

8. Water continues to fill until the operational water float is lifted and closes, shorting the HI terminal on the water level board to the C terminal. .
   - When the HI terminal is shorted to the C terminal the WF terminal on the water level board is de-energized.
   - If the water level drops below the operational water float switch for more than 5 seconds the WF terminal is energized and the water fill circuit begins again.

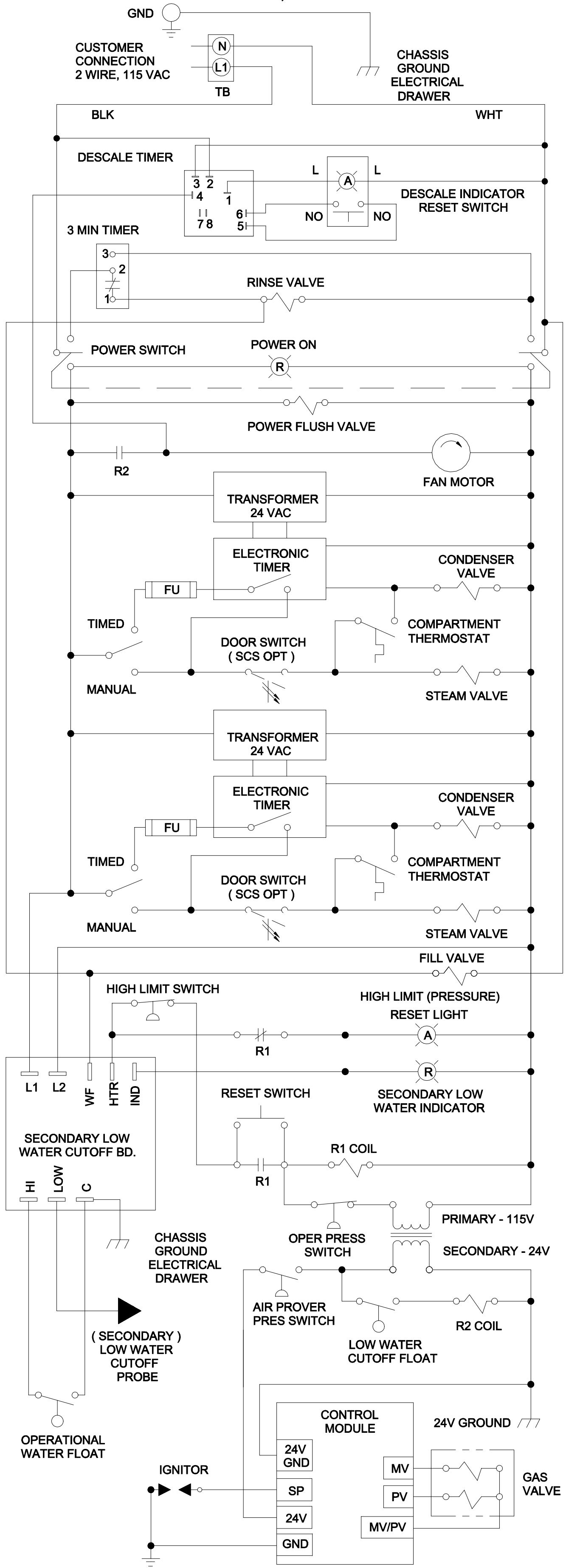
9. When the electronic timer counts down:
   - 115 VAC is removed from the condensate circuit.
   - 115 VAC is removed from the steam solenoid

10. With the timed/manual switch in the manual position
   - 115 VAC is sent to the steam solenoid and steam is sent to the cooking cabinet and around the product.
   - 115 VAC is sent to the normally open contacts of the compartment thermostat.

- The normally open contacts of the compartment thermostat close when the compartment reaches 193 degrees.
- 115 VAC is sent to the condensate solenoid and cold water is sent to the condensate spray nozzle pulling the steam down the drain.

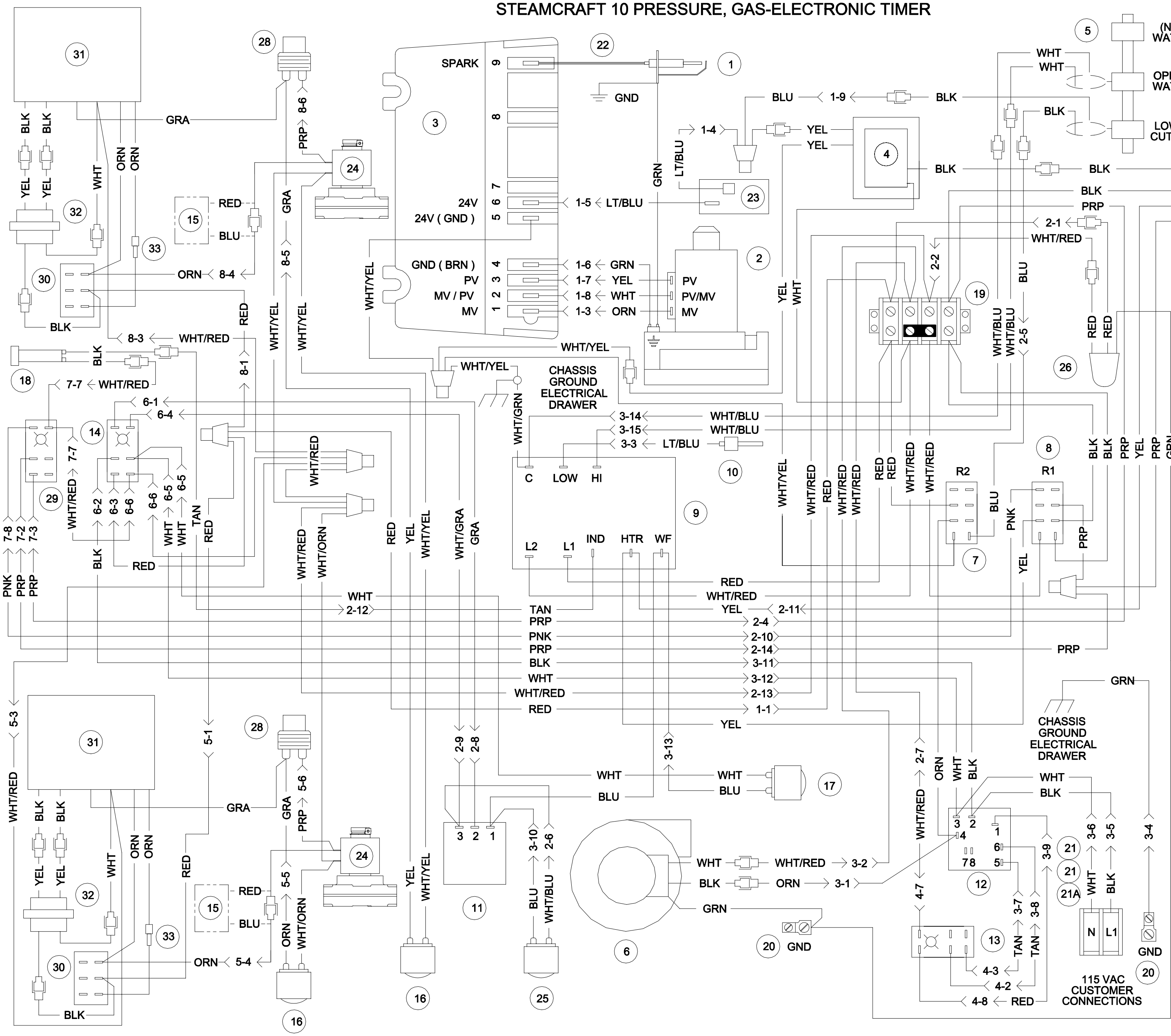
11. The unit is turned off by depressing the red rocker switch.
    - 115 VAC is removed from the timing and heat circuits.
    - 115 VAC is removed from the normally open blowdown valve allowing the unit to drain.
    - 115 VAC is sent to the 3-minute timer.
        - The three-minute timer will energize the fill and rinse solenoids for 3 minutes while the steamer drains assisting and cooling the blowdown. .

STEAMCRAFT 10 PRESSURE, GAS - ELECTRONIC TIMER



L109501 D

STEAMCRAFT 10 PRESSURE, GAS-ELECTRONIC TIMER

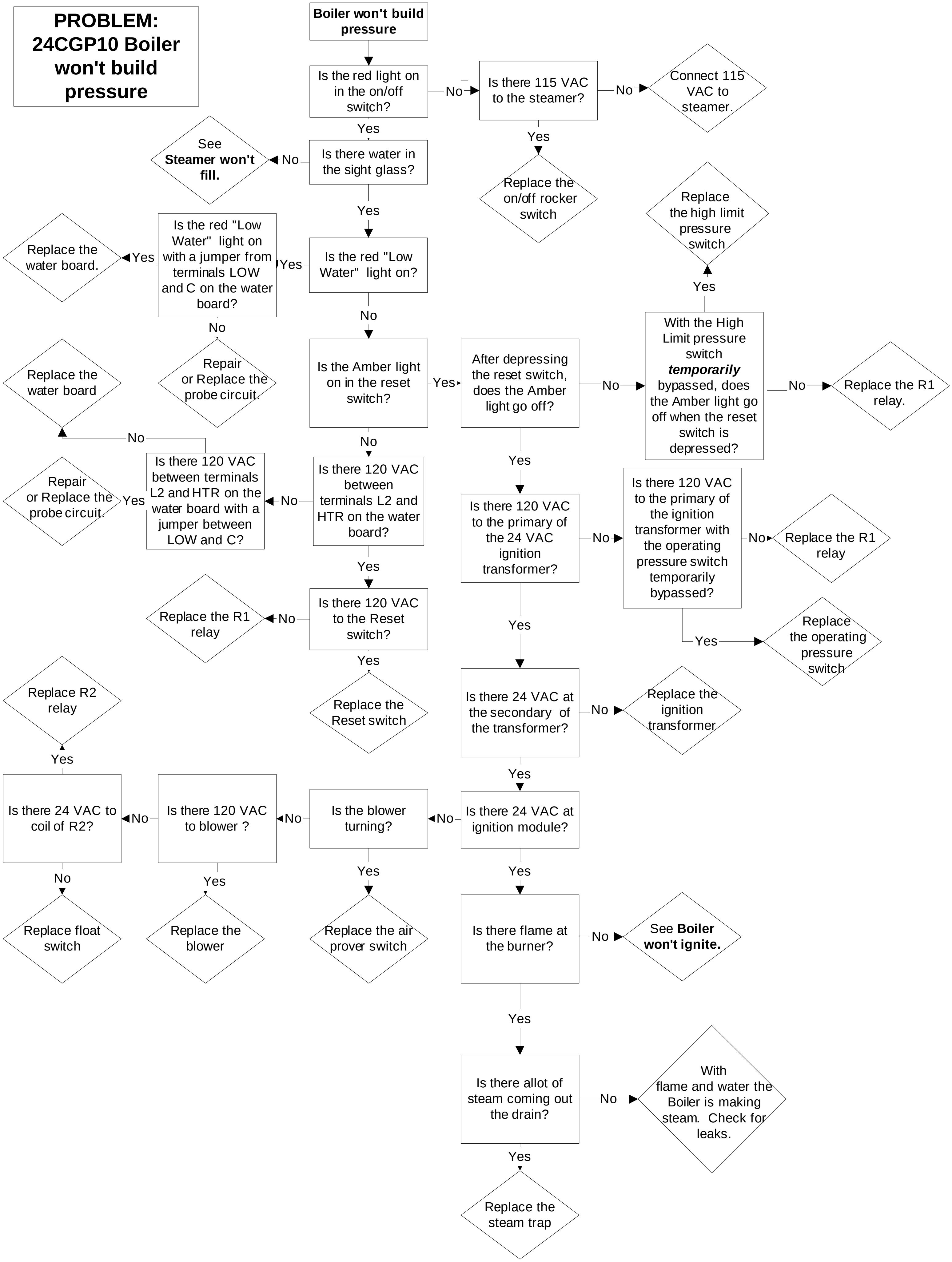


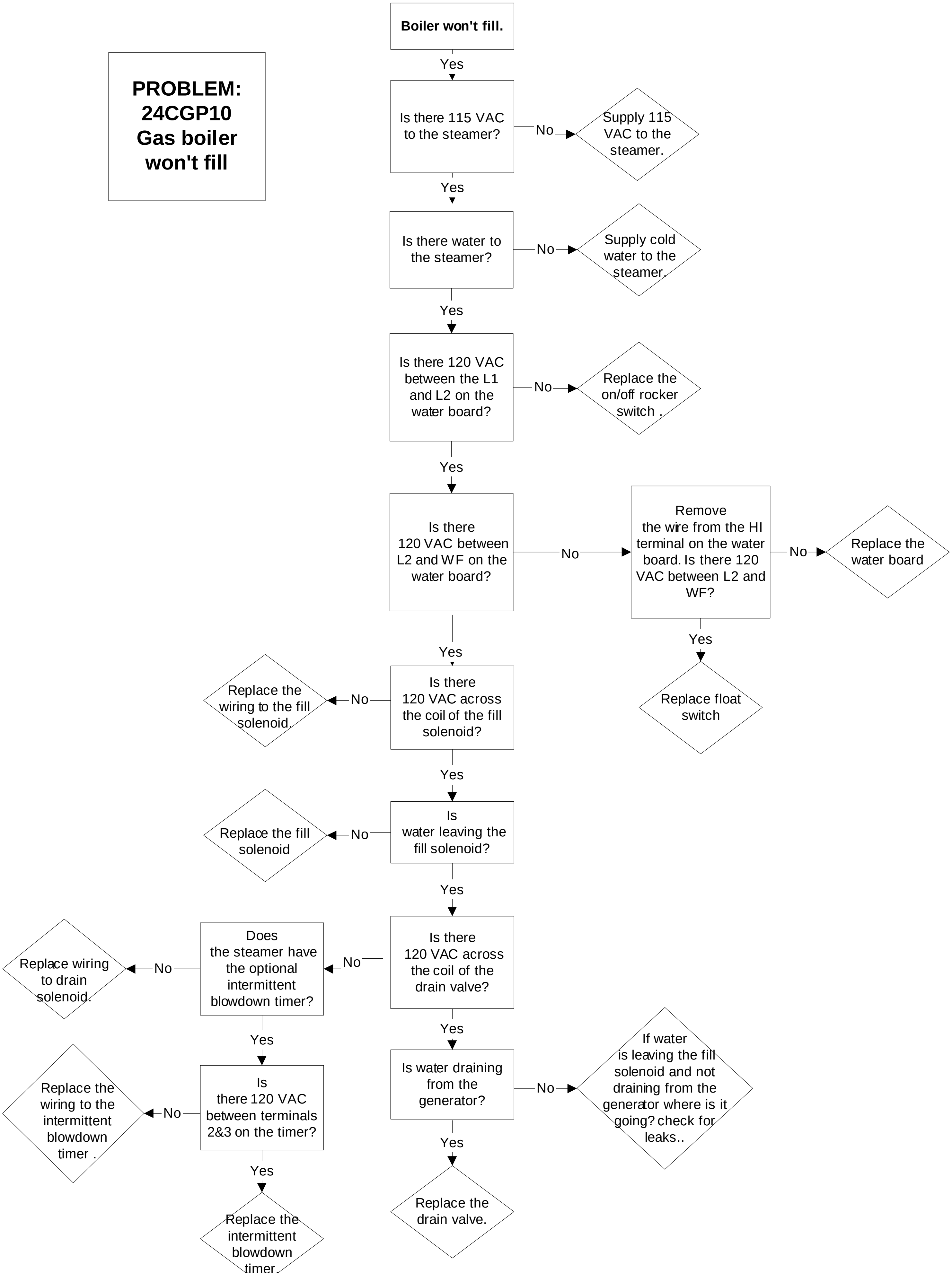
PARTS LIST

1	105784 - PILOT ASS'Y / IGN NAT)
	1057841 - PILOT ASS'Y / IGNITOR (LP)
2	106719 - GAS PKG VALVE (NAT)
	1067191 - GAS VALVE (LP)
3	109967 - IGNITION CONTROL MODULE
4	20528 - SPARK IGNITION TFMR
5	105225 - FLOAT ASS'Y
6	105695 - FAN
7	108285 - 24 VAC RELAY
8	105966 - 120 VAC RELAY
9	23198 - WATER LEVEL CONTROL BD
10	16671 - LEVEL CONTROL PROBE
11	20478 - 3 MIN TIMER
12	106911- DESCALE TIMER
13	19994 - DESCALE IND / RESET SW
14	19993 - POWER SWITCH
15	108880 - DOOR MAG. SW. (SCS OPT.)
16	22218 - CONDENSER VALVE
17	222231 - FILL VALVE
18	12159 - INDICATOR LAMP RED
19	106175 - TERMINAL BLOCK ASS'Y
20	20304 - GROUND LUG
21	20301 - SECTIONAL TERM BLOCK
21A	20302 - END BARRIER
22	108979 - IGNITOR CABLE ASS'Y
23	105788 - AIR PROVER SWITCH
24	22224 - STEAM SOLENOID VALVE
25	22218 - RINSE VALVE
26	22221 - POWER FLUSH VALVE
27	19947 - PRESSURE CONTROL
28	19972 - COMP. THERMOSTAT
29	19994 - STEAM / RESET SWITCH
30	104224 - TIMED / MANUAL SWITCH
31	104389 - ELECTRONIC TIMER
32	104390 - TRANSFORMER
33	106909 - 2 AMP / 250 V FUSE

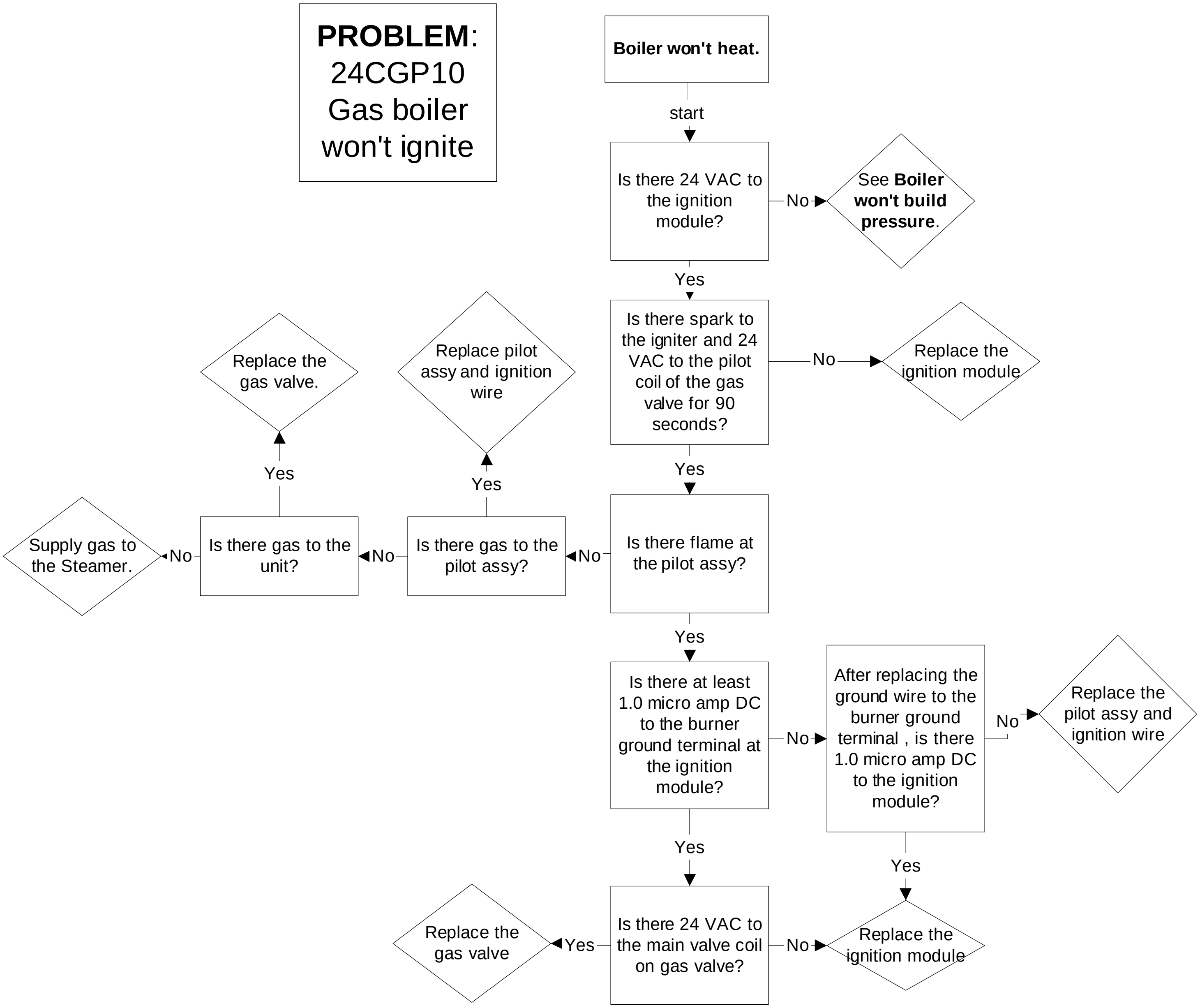
P109501 D

PROBLEM: 24CGP10 Boiler won't build pressure

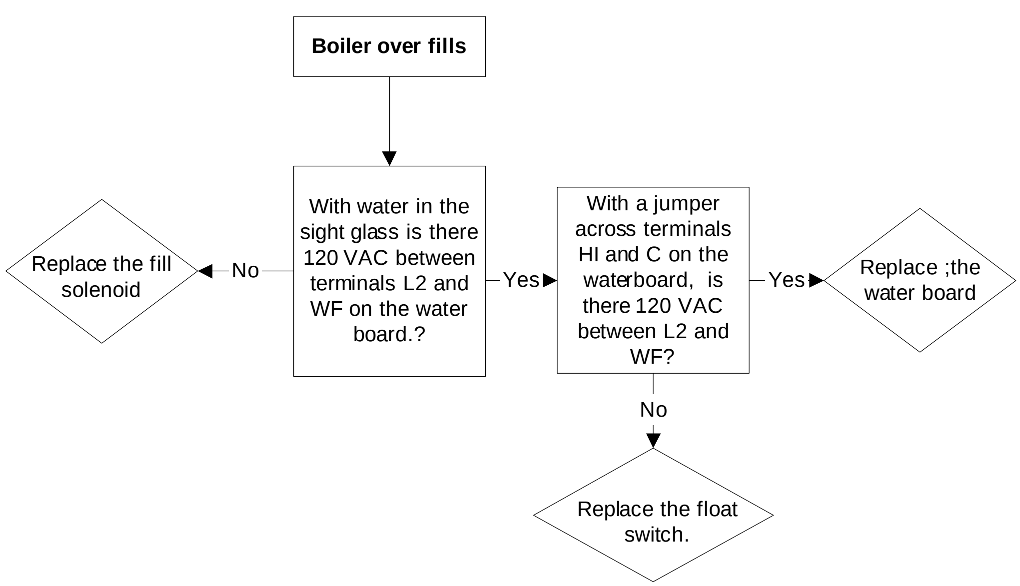



PROBLEM: 24CGP10 Gas boiler won't fill
Boiler won't fill.
Yes
Is there 115 VAC to the steamer?
No
Supply 115 VAC to the steamer.
Yes
Is there water to the steamer?
No
Supply cold water to the steamer.
Yes
Is there 120 VAC between the L1 and L2 on the water board?
No
Replace the on/off rocker switch .
Yes
Is there 120 VAC between L2 and WF on the water board?
No
Remove the wire from the HI terminal on the water board. Is there 120 VAC between L2 and WF?
No
Replace the water board
Yes
Replace float switch
Yes
Is there 120 VAC across the coil of the fill solenoid?
No
Replace the wiring to the fill solenoid.
Yes
Is water leaving the fill solenoid?
No
Replace the fill solenoid
Yes
Is there 120 VAC across the coil of the drain valve?
No
Does the steamer have the optional intermittent blowdown timer?
No
Replace wiring to drain solenoid.
Yes
Is there 120 VAC between terminals 2&3 on the timer?
No
Replace the wiring to the intermittent blowdown timer .
Yes
Replace the intermittent blowdown timer.
Yes
Is water draining from the generator?
No
If water is leaving the fill solenoid and not draining from the generator where is it going? check for leaks..
Yes
Replace the drain valve.

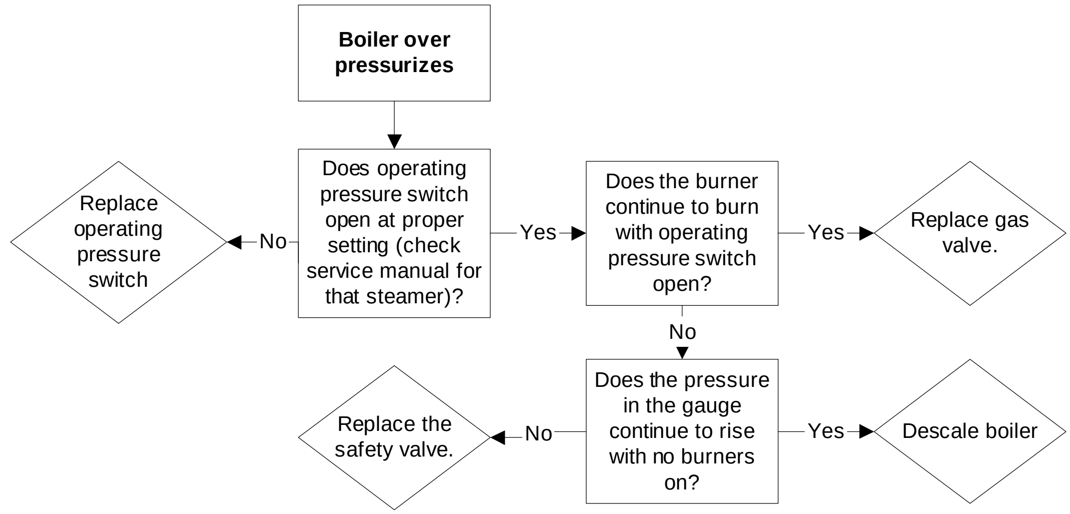
PROBLEM: 24CGP10 Gas boiler won't ignite



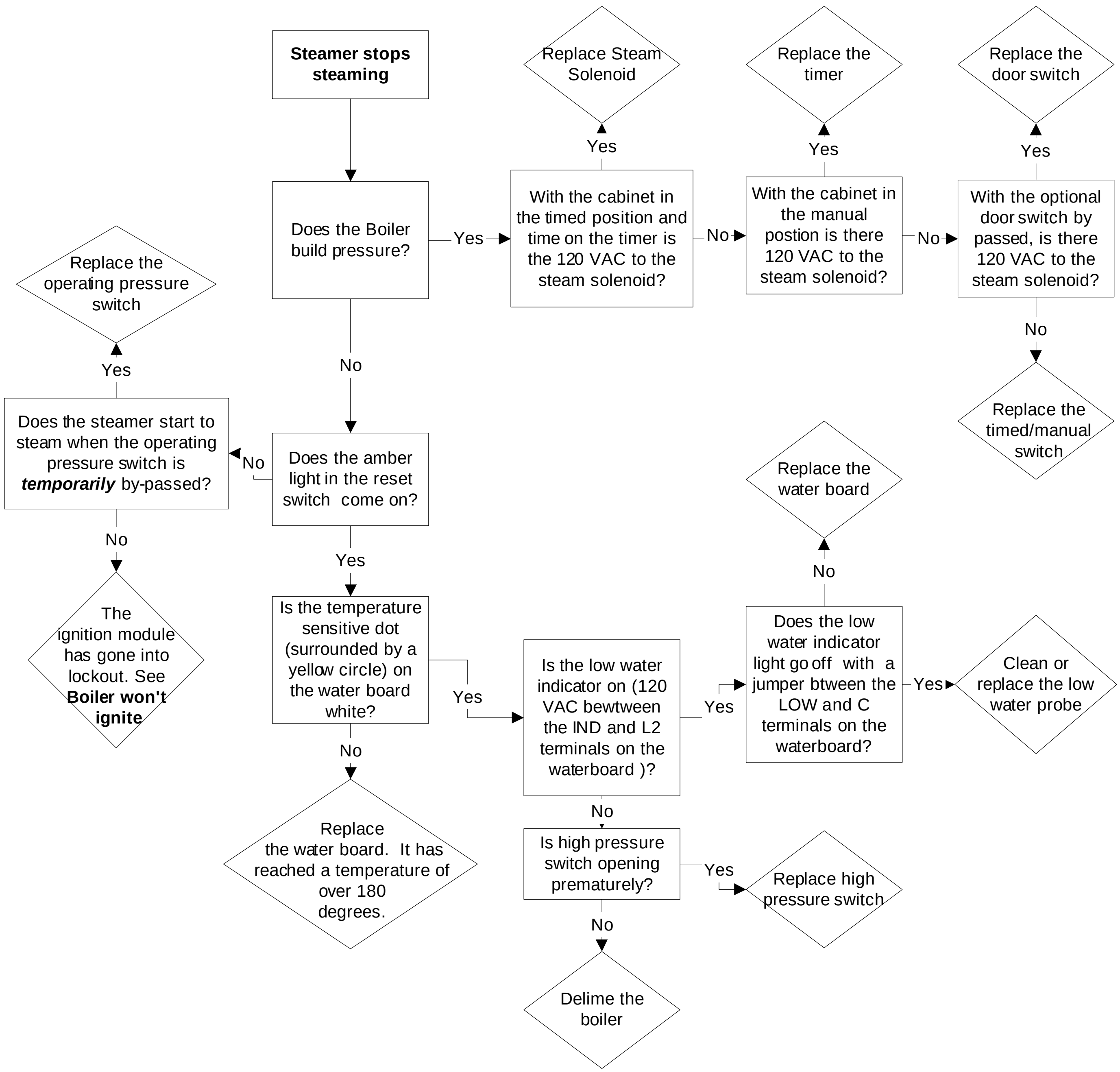
PROBLEM: 24CGP10 Gas Boiler Overfills



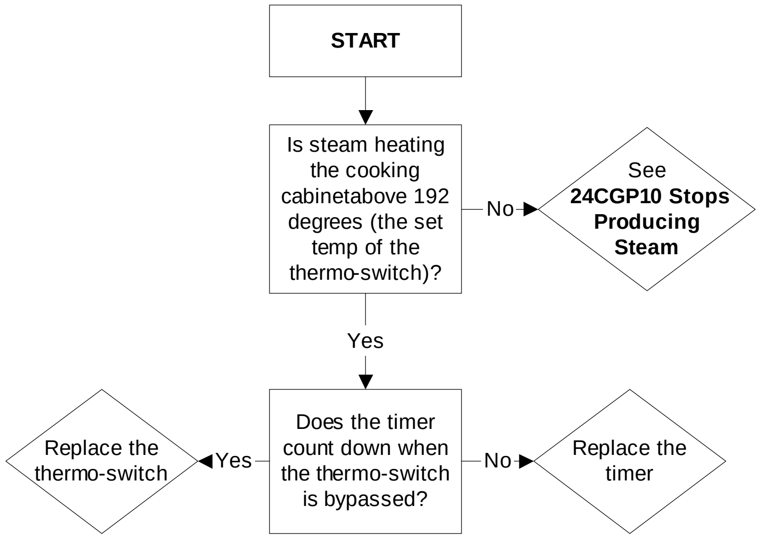
PROBLEM: 24CGP10 Gas Boiler Over Pressurizes (15# Safety valve opens)



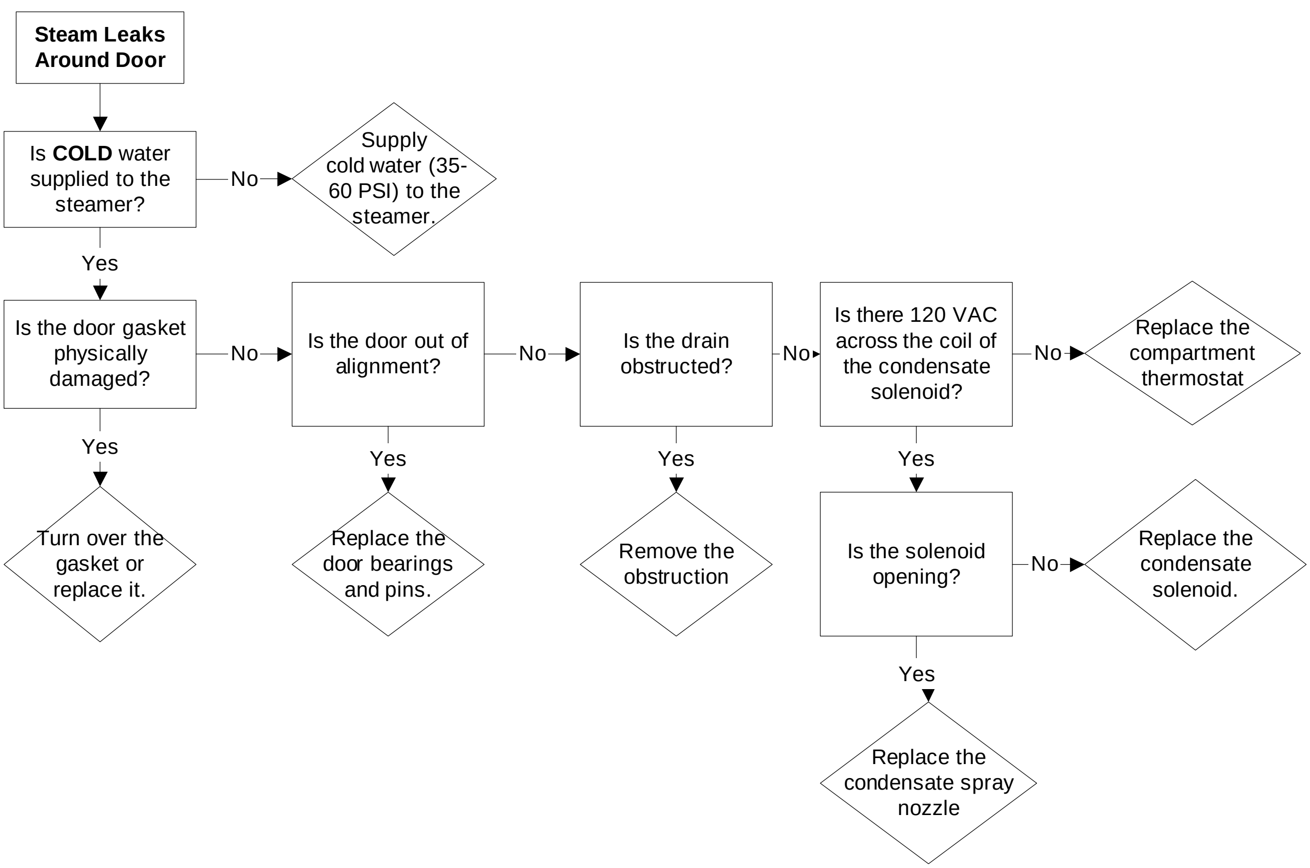
PROBLEM: 24CGP10 Stops Producing Steam



PROBLEM:
24CGP10
Timer displays "PAUS" ("Sure Cook" light is on) and won't count down



PROBLEM:
24CGP10
Steam leaks around the door.



DESCALING INSTRUCTIONS

Steamcraft Power 10
uses Kit P/N: 107142

PRELIMINARY PROCEDURE

1) Start with the unit turned off & completely cool.
   The boiler will drain for approximately 3 minutes.
2) Remove the lower front panel. There are 2 screws holding this panel in place.

GAS BOILER, ORIGINAL P10 (DETAIL "A")

1) Check that both ball valves are closed prior to removing the plug on both the inlet (left side) & outlet (right side) ports.
2) Attach the 3-inch nipples with attached unions to the inlet & outlet ports.
3) Install the 1/2 inch hose with the attached union to the inlet port.
4) Install the the 3/4 hose with the attached union to the outlet port.
5) Open the sliding view port on the right side panel of the unit. This will expose the float.
6) Fill the 5 gallon bucket with 2 gallons of descaler & 3 gallons of water.
7) Open the inlet & outlet ball valves attached to the unit. Turn the unit on.
8) Turn on the descaler pump & open the inlet valve to the boiler. Let the boiler fill with descaler just above the top of the float. This can be determined by watching the level rise in the float.

1333 East 179th Street
Cleveland, Ohio 44110

Phone: (216) 481- 4900
Fax: (216) 481- 3782

Cleveland

Part No. **260ALQ - E** 4/03

9) As the descaler level in the bucket drops, add water so the pump remains submerged.

Note: Liquid level in the descaler bucket should not go below the pump.

10) When the descaler reaches the required level, open the exit valve. make sure the exit line is the bucket. The required level can be maintained by controlling the flow with the ball valves.

11) Let the pump operate for 1 hour.

12) After 1 hour, turn the pump off & close the inlet ball valve. Turn the main switch to off and let drain.

13) Flush the boiler with water when all of the descaler has drained.

14) Turn the unit on to fill with water.
- -Fill the 5-gallon bucket with water.
- -When the water level reaches the middle of the sight glass, turn on the pump & open the inlet valve.
- -Make sure the outlet valve is closed.

15) Let the water level rise above the top of the float.

16) Open the outlet valve making sure the hose from the outlet valve is in the drain and not the bucket.

17) Continue flushing with water for 5 minutes.

Note: Additional water may have to be added to the bucket.

18) When flushing is complete, close the 2 ball valves attached to the unit and turn the unit off.

19) Replace the plugs in the ball valves & re-install the lower panel.

20) The unit is now ready for use.

GAS BOILER, CURRENT P10 (DETAIL "B")

1) Remove the plugs.

2) Attach the 3-inch nipples with attached unions to the inlet & outlet ports.

3) Install the 1/2 inch hose with the attached union to the inlet port.

4) Install the the 3/4 hose with the attached union to the outlet port.

5) Open the sliding view port on the right side panel of the unit. This will expose the float.

6) Fill the 5 gallon bucket with descaler.

7) Turn the unit on.

8) Turn on the descaler pump. Let the boiler fill with descaler just above the top of the float. This can be determined by watching the level rise in the float.

9) As the descaler level in the bucket drops, add water so the pump remains submerged.

   Note: liquid level in the descaler bucket should not go below the pump.

10) When the descaler reaches the required level, make sure the exit line is in the bucket with the pump. The required level can be maintained by controlling the flow with the ball valves.

11) Let the pump run for 1 hour.

12) After 1 hour, turn the pump off. Also, turn the main switch to off and let drain.

13) Flush the boiler with water when all of the descaler has drained.

14) Turn the unit on to fill with water.

    -Fill the 5-gallon bucket with water.

    -When the water level reaches the middle of the sight glass, turn on the pump & open the inlet valve.

    -Make sure the outlet valve is closed.

15) Let the water level rise above the top of the float.

16) Open the outlet valve making sure the hose from the outlet valve is in the drain and not the bucket.

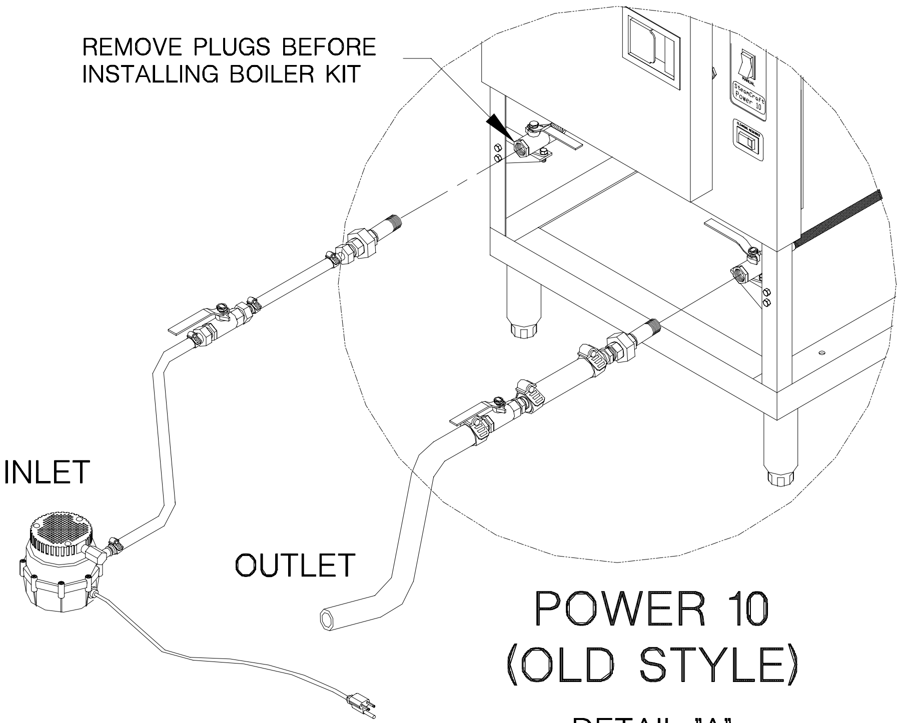
17) Continue flushing with water for 5 minutes.

    Note: Additional water may have to be added to the bucket.

18) When flushing is complete, turn the unit off.

19) Replace the plugs & re-install the lower panel.

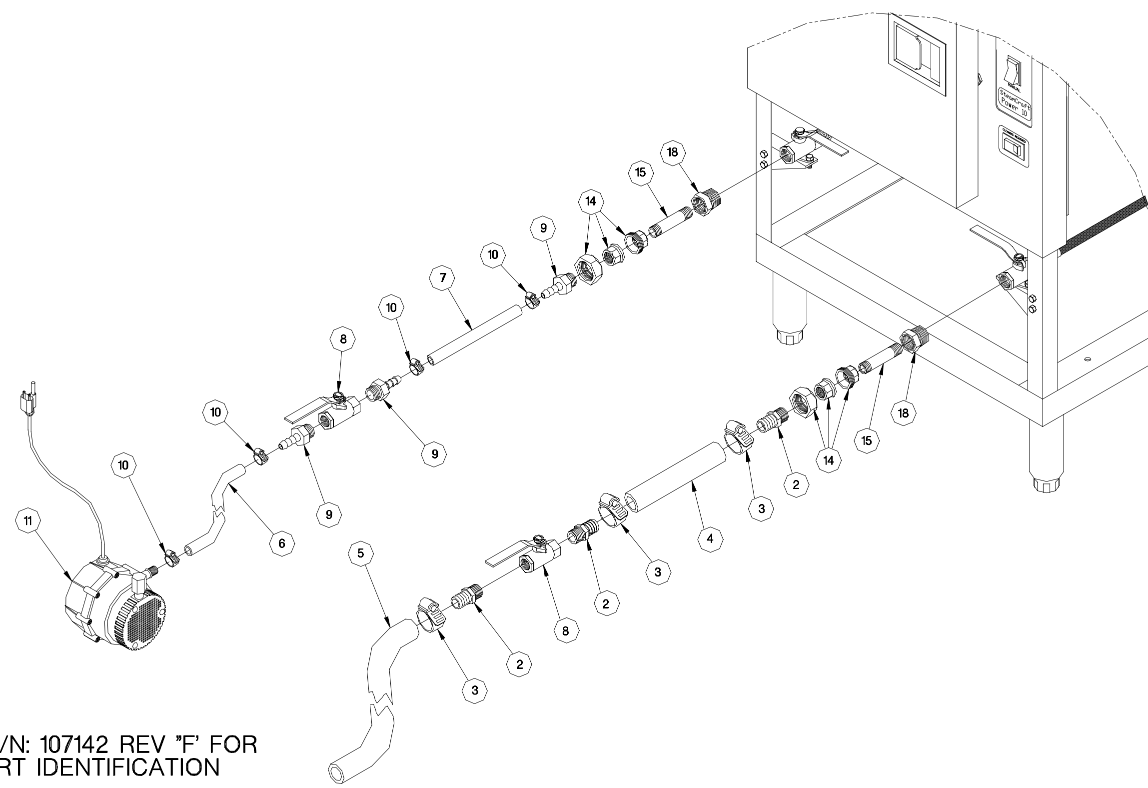
20) The unit is now ready for use.



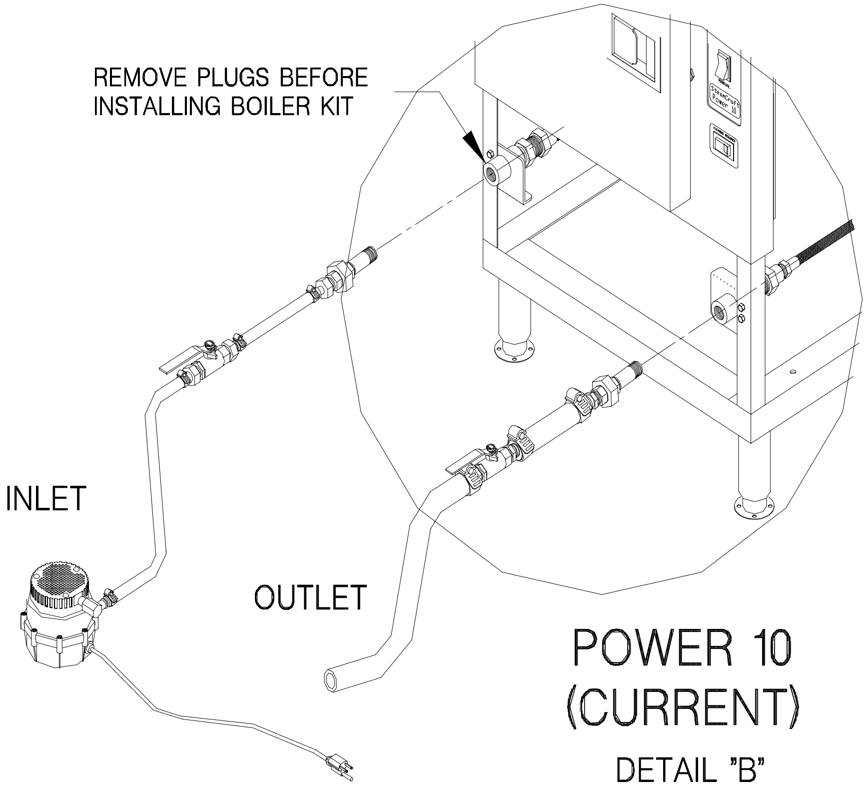
POWER 10
(OLD STYLE)

DETAIL "A"

DESCALING KIT



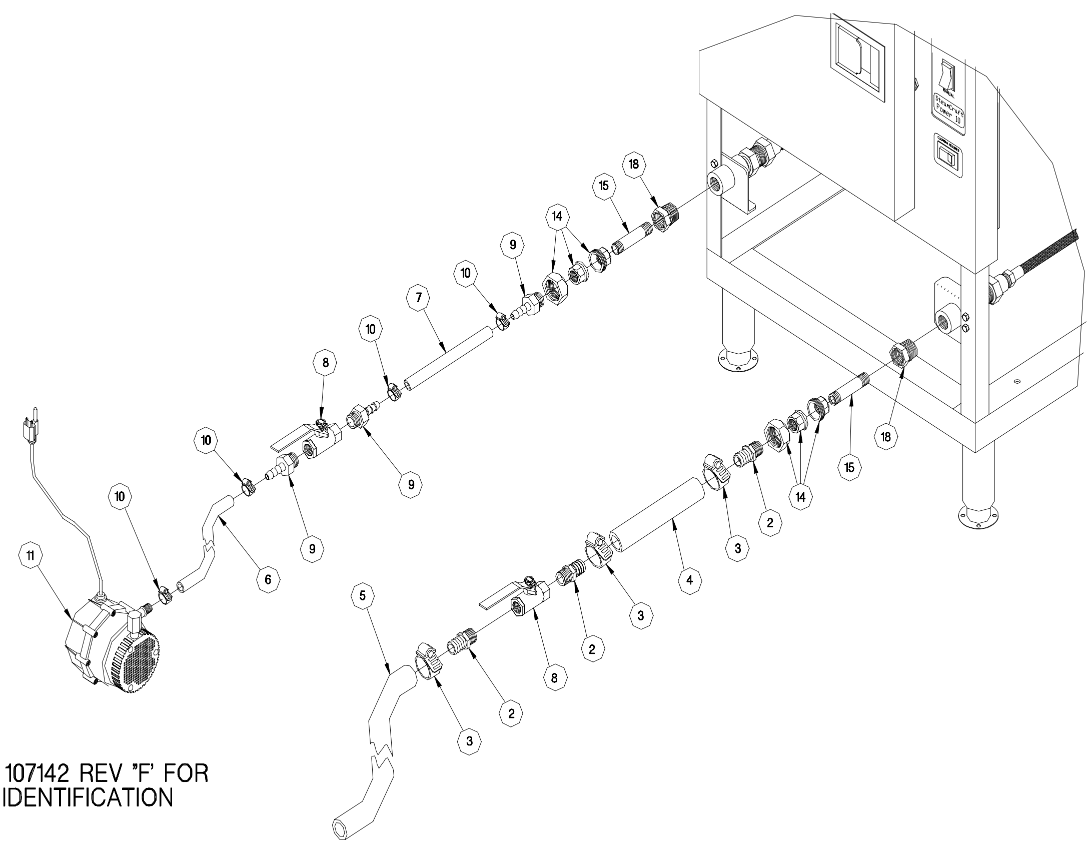
SEE P/N: 107142 REV "F" FOR
PART IDENTIFICATION



POWER 10
(CURRENT)

DETAIL "B"

DESCALING KIT



SEE P/N: 107142 REV "F" FOR
PART IDENTIFICATION

STEAMCRAFT 10 DESCALING KIT PART LIST

(P/N: 107142)

ITEM	PART #	DESCRIPTION	QTY
1	437481	Plate Ass'y, Handhole w/Descaler Port	1
2	06241	Fitting, Hose Barb, 3/4 H x 1/2 MPT	3
3	03204	Clamp, Hose, Worm Drive	3
4	1088190600	3/4 Hose For Descaling Syst, 6.000" Lg	1
5	1088193600	3/4 Hose For Descaling Syst, 36.000" Lg	1
6	1088203600	1/2 Hose For Descaling Syst, 36.000" Lg	1
7	1088200600	1/2 Hose For Descaling Syst, 6.000" Lg	1
8	22212	Valve, Ball, 1/2 Female	2
9	06237	Fitting, Hose, Barb, 1/2H X 1/2 MPT	3
10	106219	Clamp, Hose Worm Drive	4
11	107131	Pump, Submersible, Boiler Descaler Kit	1
12	07106	Gasket, Handhole	1
13	107199	Bucket W/Lid, 5 Gallon	1
14	23103	Union, 0.500, Brass	2
15	14331	Nipple, 0.500 NPT x 2.500 Lg, Sch 40	2
16	108815	Label, Descaling System	1
17	108845	Envelope, Vinyl, 10" x 13", Short Side Opening	1
18	02566	Bushing, Reducing, 3/4 x 1/2	2
19	41943	Plate Ass'y, Mounting, Weldment	1
20	260 ALK	Instructions, Descaling Installation	1
21	260 ALP	Instructions, Piping Conversion	1